Form 3160-3
(September 2001)

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU-76241

6. If Indian, Allottee or Tribe Name: N/A

1a. Type of Work: [x] DRILL [ ] REENTER

7. If Unit or CA Agreement, Name and No.: Greater Boundary II Unit

1b. Type of Well: [x] Oil Well [ ] Gas Well [ ] Other [x] Single Zone [ ] Multiple Zone

8. Lease Name and Well No.: Greater Boundary II Federal T-28-8-17

2. Name of Operator: Newfield Production Company

9. API Well No.: 43-013-34095

3a. Address: Route #3 Box 3630, Myton UT 84052

3b. Phone No. *(include area code)*: (435) 646-3721

10. Field and Pool, or Exploratory: Monument Butte

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface: NE/SE 2083' FSL 685' FEL

At proposed prod. zone: 1490' FSL 30' FEL

11. Sec., T., R., M., or Blk. and Survey or Area: Sec. 28, T8S R17E

14. Distance in miles and direction from nearest town or post office*: Approximatley 13.4 miles southeast of Myton, Utah

12. County or Parish: Duchesne

13. State: UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any): Approx. 30' f/lse, 1490' f/unit

16. No. of Acres in lease: 1880.00

17. Spacing Unit dedicated to this well: 20 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.: Approx. 1242'

19. Proposed Depth: 6450'

20. BLM/BIA Bond No. on file: WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 5191' GL

22. Approximate date work will start*: 1st Quarter 2009

23. Estimated duration: Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature: Mandie Crozier — Name *(Printed/Typed)*: Mandie Crozier — Date: 9/15/08

Title: Regulatory Specialist

Approved by *(Signature)*: — Name *(Printed/Typed)*: BRADLEY G. HILL — Date: 09-29-08

Title: — Office: ENVIRONMENTAL MANAGER

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**(Instructions on reverse)*

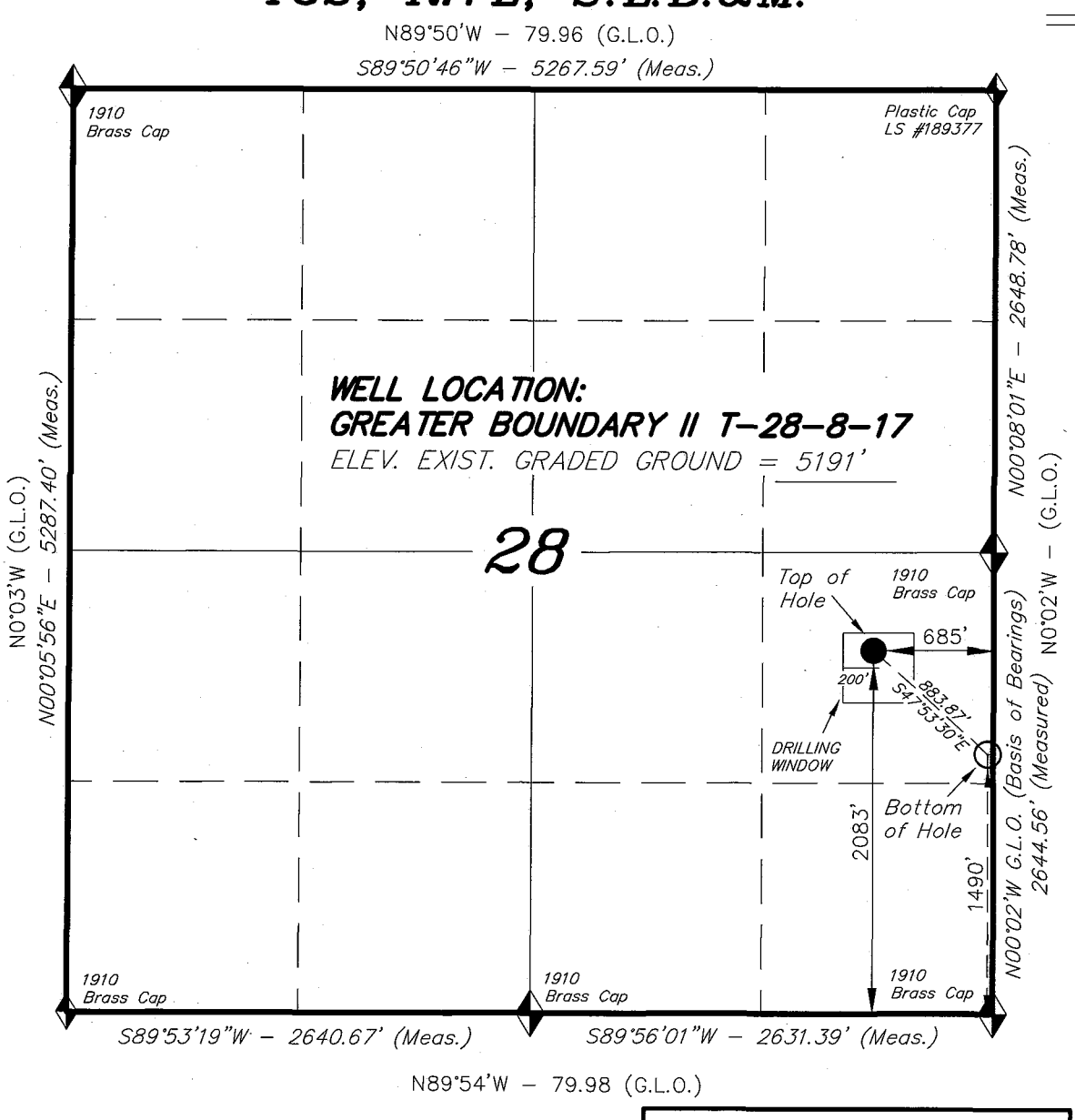
Surf 584932X 4437364 40.087514 -110.003769

BHL 585133X 4437558 Y 40.085890 -110.001440

Federal Approval of this Action is Necessary

RECEIVED
SEP 22 2008
DIV. OF OIL, GAS & MINING

T8S, R17E, S.L.B.&M.



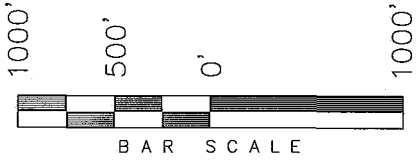
= SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7–1/2 min QUAD (MYTON SE)

GREATER BOUNDARY II T-28-8-17
(Surface Location) NAD 83
LATITUDE = 40° 05' 14.70"
LONGITUDE = 110° 00' 16.38"

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, GREATER BOUNDARY II T–28–8–17, LOCATED AS SHOWN IN THE NE 1/4 SE 1/4 OF SECTION 28, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



Note:
1. The bottom of hole footages are 1490' FSL & 30' FEL.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR No.189377 STATE OF UTAH

STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781–2501

DATE SURVEYED: 07–10–08	SURVEYED BY: T.H.
DATE DRAWN: 07–24–08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY
GREATER BOUNDARY II FEDERAL T-28-8-17
AT SURFACE: NE/SE SECTION 28, T8S, R17E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. ***GEOLOGIC SURFACE FORMATION:***

Uinta formation of Upper Eocene Age

2. ***ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:***

Uinta	0' – 1713'
Green River	1713'
Wasatch	6450'

3. ***ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:***

Green River Formation 1713' – 6450' - Oil

4. ***PROPOSED CASING PROGRAM***

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. ***MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:***

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. ***TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:***

Please refer to the Monument Butte Field SOP.

7. ***AUXILIARY SAFETY EQUIPMENT TO BE USED:***

Please refer to the Monument Butte Field SOP.

8. ***TESTING, LOGGING AND CORING PROGRAMS:***

Please refer to the Monument Butte Field SOP.

9. ***ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:***

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ***ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:***

Please refer to the Monument Butte Field SOP.

NEWFIELD PRODUCTION COMPANY
GREATER BOUNDARY II FEDERAL T-28-8-17
AT SURFACE: NE/SE SECTION 28, T8S, R17E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. *EXISTING ROADS*

See attached Topographic Map "A"

To reach Newfield Production Company well location site Greater Boundary II Federal T-28-8-17 located in the NE 1/4 SE 1/4 Section 28, T8S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 – 9.8 miles ± to it's junction with an existing dirt road to the east; proceed easterly – 0.6 miles ± to it's junction with an existing dirt road to the northeast; proceed northeasterly – 1.6 miles ± to the existing Tar Sands Federal 9-28-8-17 well lcoation.

2. *PLANNED ACCESS ROAD*

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Tar Sands Federal 9-28-8-17 well pad. See attached **Topographic Map "B"**.

3. *LOCATION OF EXISTING WELLS*

Refer to Exhibit "B".

4. *LOCATION OF EXISTING AND/OR PROPOSED FACILITIES*

The proposed well will be drilled directionally off of the Tar Sands Federal 9-28-8-17 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Greater Boundary II Federal T-28-8-17. All permanent surface equipment will be painted Carlsbad Canyon.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. *LOCATION AND TYPE OF WATER SUPPLY*

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District
Water Right : 43-7478

Neil Moon Pond
Water Right: 43-11787

Maurice Harvey Pond
Water Right: 47-1358

Newfield Collector Well

Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. ***SOURCE OF CONSTRUCTION MATERIALS***

The proposed Greater Boundary II Federal T-28-8-17 will be drilled off of the existing Tar Sands Federal 9-28-8-17 well pad. No additional surface disturbance will be required for this location.

7. ***METHODS FOR HANDLING WASTE DISPOSAL***

Please refer to the Monument Butte Field SOP.

8. ***ANCILLARY FACILITIES***

Please refer to the Monument Butte Field SOP.

9. ***WELL SITE LAYOUT***

See attached Location Layout Diagram.

10. ***PLANS FOR RESTORATION OF SURFACE***

Please refer to the Monument Butte Field SOP.

11. ***SURFACE OWNERSHIP*** - Bureau Of Land Management (Proposed location and access roads leading to).

12. ***OTHER ADDITIONAL INFORMATION***

Water Disposal
Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), State of Utah approved surface disposal facilities, or Federally approved surface disposal facilities.

Threatened, Endangered, And Other Sensitive Species
None for the proposed Greater Boundary II Federal T-28-8-17.

Reserve Pit Liner
A 16 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation
Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Squirrell Tail	*Elymus Elymoides*	6 lbs/acre
Siberian Wheatgrass	*Agropyron Fragile*	2 lbs/acre
Gardner Saltbush	*Atriplex Gardneri*	1 lbs/acre
Shadscale	*Atriplex Confertifolia*	1 lbs/acre
Fourwing Saltbush	*Atriplex Canescens*	1 lbs/acre

Scarlet Globemallow	*Sphaeralcea Conccinea*	0.20 lbs/acre
Forage Kochia	*Kochia Prostrata*	0.20 lbs/acre

Details of the On-Site Inspection

The proposed Greater Boundary II Federal T-28-8-17 was on-sited on 8/13/08. The following were present; Kevan Stevens (Newfield Production), Michael Cutler (Bureau of Land Management), Dave Gordon (Bureau of Land Management), and James Herford (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Dave Allred
Address: Route #3 Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #T-28-8-17 NE/SE Section 28, Township 8S, Range 17E: Lease UTU-76241 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

9/15/08
Date

Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD

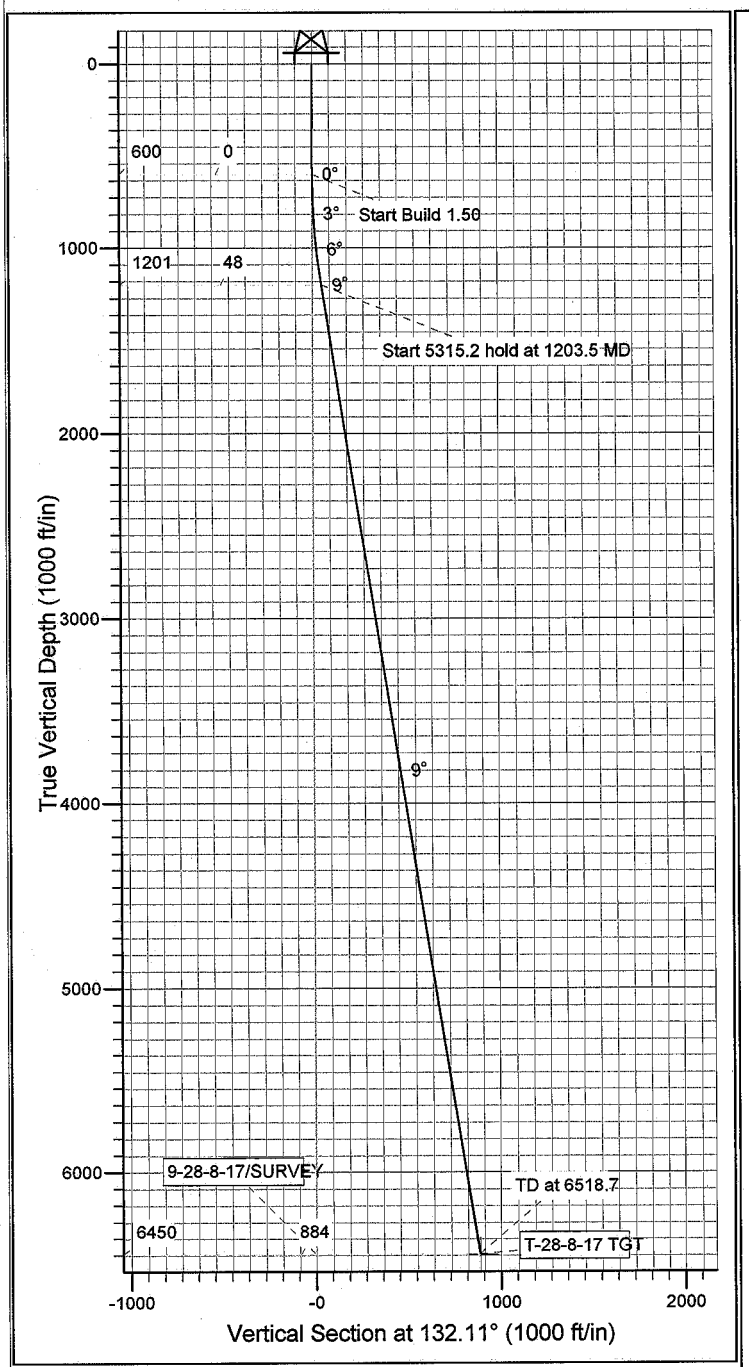
Project: USGS Myton SW (UT)
Site: SECTION 28
Well: T-28-8-17
Wellbore: Wellbore #1
Design: Design #1

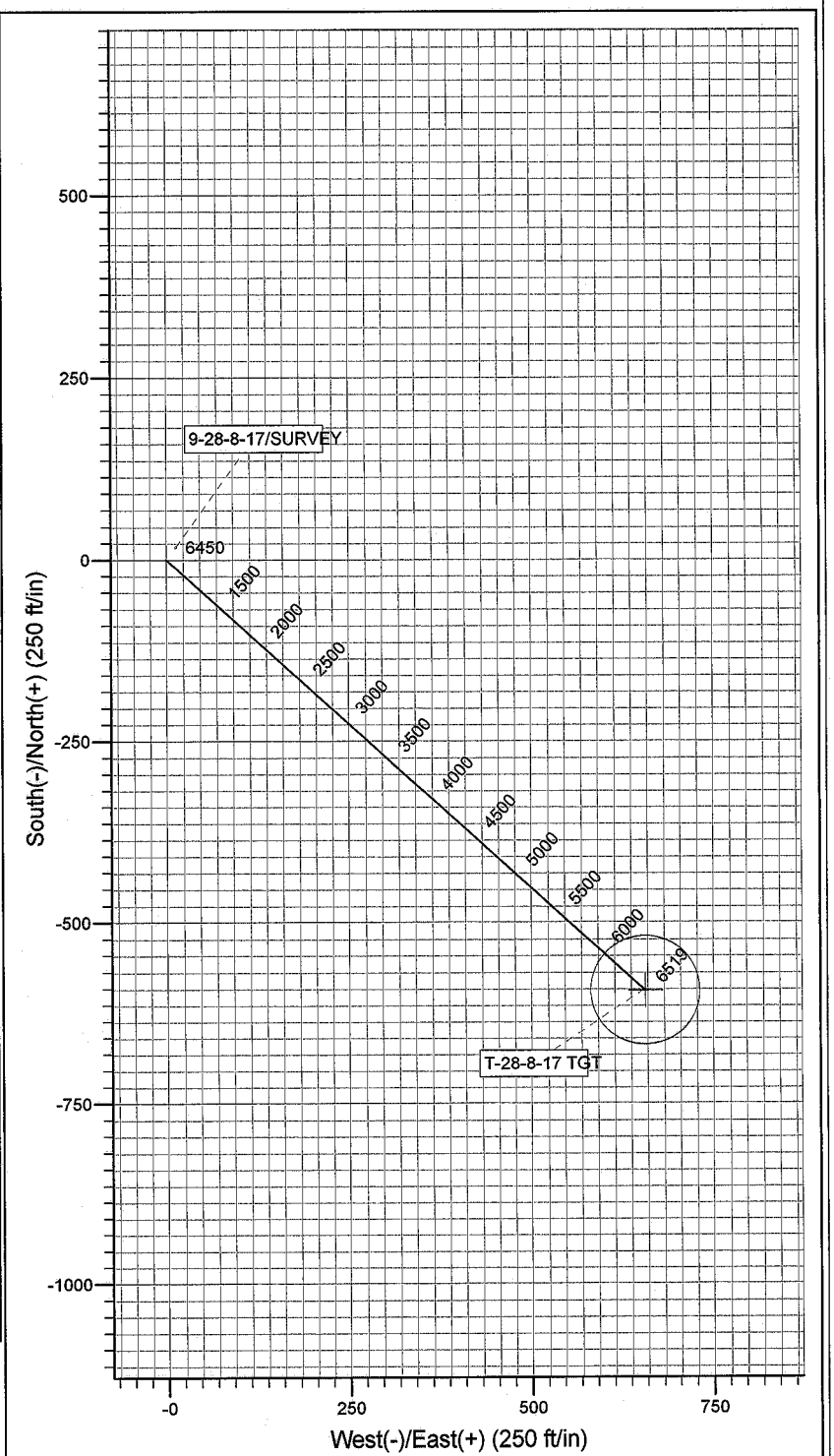
KOP @ 600'
DOGLEG RATE 1.5 DEG/100
TARGET RADIUS 75'

T M

Azimuths to True North
Magnetic North: 11.64°

Magnetic Field
Strength: 52607.2snT
Dip Angle: 65.92°
Date: 8/26/2008
Model: IGRF200510





WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
T-28-8-17 TGT	6450.0	-592.7	655.7	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1203.5	9.05	132.11	1201.0	-31.9	35.3	1.50	132.11	47.6	
4	6518.7	9.05	132.11	6450.0	-592.7	655.7	0.00	0.00	883.9	T-28-8-17 TGT

HATHAWAY HB BURNHAM
DIRECTIONAL & MWD SERVICES

NEWFIELD

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 28
T-28-8-17

Wellbore #1

Plan: Design #1

Standard Planning Report

26 August, 2008

HATHAWAY HB BURNHAM
DIRECTIONAL & MWD SERVICES

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well T-28-8-17
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	T-28-8-17 @ 5203.0ft
Project:	USGS Myton SW (UT)	**MD Reference:**	T-28-8-17 @ 5203.0ft
Site:	SECTION 28	**North Reference:**	True
Well:	T-28-8-17	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		Using geodetic scale factor

Site	SECTION 28, SEC 28 T8S, R17E				
Site Position:		**Northing:**	7,204,800.00 ft	**Latitude:**	40° 5' 22.277 N
From:	Lat/Long	**Easting:**	2,057,000.00 ft	**Longitude:**	110° 0' 39.302 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.95 °

Well	T-28-8-17, SHL LAT: 40 05 14.70, LONG: -110 0 16.38					
Well Position	**+N/-S**	-766.8 ft	**Northing:**	7,204,063.16 ft	**Latitude:**	40° 5' 14.700 N
	+E/-W	1,781.5 ft	**Easting:**	2,058,793.91 ft	**Longitude:**	110° 0' 16.380 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	0.0 ft

Wellbore Wellbore #1

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF200510	8/26/2008	11.64	65.92	52,607

Design Design #1

Audit Notes:

Version:	**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**
	0.0	0.0	0.0	132.11

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,203.5	9.05	132.11	1,201.0	-31.9	35.3	1.50	1.50	0.00	132.11	
6,518.7	9.05	132.11	6,450.0	-592.7	655.7	0.00	0.00	0.00	0.00	T-28-8-17 TGT

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well T-28-8-17
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	T-28-8-17 @ 5203.0ft
Project:	USGS Myton SW (UT)	**MD Reference:**	T-28-8-17 @ 5203.0ft
Site:	SECTION 28	**North Reference:**	True
Well:	T-28-8-17	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
50.0	0.00	0.00	50.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
150.0	0.00	0.00	150.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
250.0	0.00	0.00	250.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
450.0	0.00	0.00	450.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
550.0	0.00	0.00	550.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
650.0	0.75	132.11	650.0	-0.2	0.2	0.3	1.50	1.50	0.00
700.0	1.50	132.11	700.0	-0.9	1.0	1.3	1.50	1.50	0.00
750.0	2.25	132.11	750.0	-2.0	2.2	2.9	1.50	1.50	0.00
800.0	3.00	132.11	799.9	-3.5	3.9	5.2	1.50	1.50	0.00
850.0	3.75	132.11	849.8	-5.5	6.1	8.2	1.50	1.50	0.00
900.0	4.50	132.11	899.7	-7.9	8.7	11.8	1.50	1.50	0.00
950.0	5.25	132.11	949.5	-10.7	11.9	16.0	1.50	1.50	0.00
1,000.0	6.00	132.11	999.3	-14.0	15.5	20.9	1.50	1.50	0.00
1,050.0	6.75	132.11	1,049.0	-17.8	19.6	26.5	1.50	1.50	0.00
1,100.0	7.50	132.11	1,098.6	-21.9	24.2	32.7	1.50	1.50	0.00
1,150.0	8.25	132.11	1,148.1	-26.5	29.3	39.5	1.50	1.50	0.00
1,200.0	9.00	132.11	1,197.5	-31.5	34.9	47.0	1.50	1.50	0.00
1,203.5	9.05	132.11	1,201.0	-31.9	35.3	47.6	1.50	1.50	0.00
1,250.0	9.05	132.11	1,246.9	-36.8	40.7	54.9	0.00	0.00	0.00
1,300.0	9.05	132.11	1,296.3	-42.1	46.6	62.8	0.00	0.00	0.00
1,350.0	9.05	132.11	1,345.7	-47.4	52.4	70.6	0.00	0.00	0.00
1,400.0	9.05	132.11	1,395.0	-52.6	58.2	78.5	0.00	0.00	0.00
1,450.0	9.05	132.11	1,444.4	-57.9	64.1	86.4	0.00	0.00	0.00
1,500.0	9.05	132.11	1,493.8	-63.2	69.9	94.2	0.00	0.00	0.00
1,550.0	9.05	132.11	1,543.2	-68.5	75.7	102.1	0.00	0.00	0.00
1,600.0	9.05	132.11	1,592.6	-73.7	81.6	110.0	0.00	0.00	0.00
1,650.0	9.05	132.11	1,641.9	-79.0	87.4	117.8	0.00	0.00	0.00
1,700.0	9.05	132.11	1,691.3	-84.3	93.2	125.7	0.00	0.00	0.00
1,750.0	9.05	132.11	1,740.7	-89.6	99.1	133.6	0.00	0.00	0.00
1,800.0	9.05	132.11	1,790.1	-94.8	104.9	141.4	0.00	0.00	0.00
1,850.0	9.05	132.11	1,839.4	-100.1	110.8	149.3	0.00	0.00	0.00
1,900.0	9.05	132.11	1,888.8	-105.4	116.6	157.2	0.00	0.00	0.00
1,950.0	9.05	132.11	1,938.2	-110.7	122.4	165.0	0.00	0.00	0.00
2,000.0	9.05	132.11	1,987.6	-115.9	128.3	172.9	0.00	0.00	0.00
2,050.0	9.05	132.11	2,036.9	-121.2	134.1	180.8	0.00	0.00	0.00
2,100.0	9.05	132.11	2,086.3	-126.5	139.9	188.6	0.00	0.00	0.00
2,150.0	9.05	132.11	2,135.7	-131.8	145.8	196.5	0.00	0.00	0.00
2,200.0	9.05	132.11	2,185.1	-137.0	151.6	204.4	0.00	0.00	0.00
2,250.0	9.05	132.11	2,234.5	-142.3	157.4	212.2	0.00	0.00	0.00
2,300.0	9.05	132.11	2,283.8	-147.6	163.3	220.1	0.00	0.00	0.00
2,350.0	9.05	132.11	2,333.2	-152.9	169.1	228.0	0.00	0.00	0.00
2,400.0	9.05	132.11	2,382.6	-158.1	175.0	235.8	0.00	0.00	0.00
2,450.0	9.05	132.11	2,432.0	-163.4	180.8	243.7	0.00	0.00	0.00
2,500.0	9.05	132.11	2,481.3	-168.7	186.6	251.6	0.00	0.00	0.00
2,550.0	9.05	132.11	2,530.7	-174.0	192.5	259.4	0.00	0.00	0.00
2,600.0	9.05	132.11	2,580.1	-179.2	198.3	267.3	0.00	0.00	0.00

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well T-28-8-17
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	T-28-8-17 @ 5203.0ft
Project:	USGS Myton SW (UT)	**MD Reference:**	T-28-8-17 @ 5203.0ft
Site:	SECTION 28	**North Reference:**	True
Well:	T-28-8-17	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,650.0	9.05	132.11	2,629.5	-184.5	204.1	275.2	0.00	0.00	0.00
2,700.0	9.05	132.11	2,678.9	-189.8	210.0	283.0	0.00	0.00	0.00
2,750.0	9.05	132.11	2,728.2	-195.1	215.8	290.9	0.00	0.00	0.00
2,800.0	9.05	132.11	2,777.6	-200.3	221.6	298.8	0.00	0.00	0.00
2,850.0	9.05	132.11	2,827.0	-205.6	227.5	306.6	0.00	0.00	0.00
2,900.0	9.05	132.11	2,876.4	-210.9	233.3	314.5	0.00	0.00	0.00
2,950.0	9.05	132.11	2,925.7	-216.2	239.2	322.4	0.00	0.00	0.00
3,000.0	9.05	132.11	2,975.1	-221.4	245.0	330.2	0.00	0.00	0.00
3,050.0	9.05	132.11	3,024.5	-226.7	250.8	338.1	0.00	0.00	0.00
3,100.0	9.05	132.11	3,073.9	-232.0	256.7	346.0	0.00	0.00	0.00
3,150.0	9.05	132.11	3,123.2	-237.3	262.5	353.8	0.00	0.00	0.00
3,200.0	9.05	132.11	3,172.6	-242.5	268.3	361.7	0.00	0.00	0.00
3,250.0	9.05	132.11	3,222.0	-247.8	274.2	369.6	0.00	0.00	0.00
3,300.0	9.05	132.11	3,271.4	-253.1	280.0	377.4	0.00	0.00	0.00
3,350.0	9.05	132.11	3,320.8	-258.4	285.8	385.3	0.00	0.00	0.00
3,400.0	9.05	132.11	3,370.1	-263.6	291.7	393.2	0.00	0.00	0.00
3,450.0	9.05	132.11	3,419.5	-268.9	297.5	401.0	0.00	0.00	0.00
3,500.0	9.05	132.11	3,468.9	-274.2	303.4	408.9	0.00	0.00	0.00
3,550.0	9.05	132.11	3,518.3	-279.5	309.2	416.8	0.00	0.00	0.00
3,600.0	9.05	132.11	3,567.6	-284.7	315.0	424.6	0.00	0.00	0.00
3,650.0	9.05	132.11	3,617.0	-290.0	320.9	432.5	0.00	0.00	0.00
3,700.0	9.05	132.11	3,666.4	-295.3	326.7	440.4	0.00	0.00	0.00
3,750.0	9.05	132.11	3,715.8	-300.6	332.5	448.2	0.00	0.00	0.00
3,800.0	9.05	132.11	3,765.2	-305.8	338.4	456.1	0.00	0.00	0.00
3,850.0	9.05	132.11	3,814.5	-311.1	344.2	464.0	0.00	0.00	0.00
3,900.0	9.05	132.11	3,863.9	-316.4	350.0	471.8	0.00	0.00	0.00
3,950.0	9.05	132.11	3,913.3	-321.7	355.9	479.7	0.00	0.00	0.00
4,000.0	9.05	132.11	3,962.7	-326.9	361.7	487.6	0.00	0.00	0.00
4,050.0	9.05	132.11	4,012.0	-332.2	367.5	495.4	0.00	0.00	0.00
4,100.0	9.05	132.11	4,061.4	-337.5	373.4	503.3	0.00	0.00	0.00
4,150.0	9.05	132.11	4,110.8	-342.8	379.2	511.2	0.00	0.00	0.00
4,200.0	9.05	132.11	4,160.2	-348.0	385.1	519.0	0.00	0.00	0.00
4,250.0	9.05	132.11	4,209.5	-353.3	390.9	526.9	0.00	0.00	0.00
4,300.0	9.05	132.11	4,258.9	-358.6	396.7	534.8	0.00	0.00	0.00
4,350.0	9.05	132.11	4,308.3	-363.9	402.6	542.6	0.00	0.00	0.00
4,400.0	9.05	132.11	4,357.7	-369.1	408.4	550.5	0.00	0.00	0.00
4,450.0	9.05	132.11	4,407.1	-374.4	414.2	558.4	0.00	0.00	0.00
4,500.0	9.05	132.11	4,456.4	-379.7	420.1	566.2	0.00	0.00	0.00
4,550.0	9.05	132.11	4,505.8	-385.0	425.9	574.1	0.00	0.00	0.00
4,600.0	9.05	132.11	4,555.2	-390.3	431.7	582.0	0.00	0.00	0.00
4,650.0	9.05	132.11	4,604.6	-395.5	437.6	589.8	0.00	0.00	0.00
4,700.0	9.05	132.11	4,653.9	-400.8	443.4	597.7	0.00	0.00	0.00
4,750.0	9.05	132.11	4,703.3	-406.1	449.3	605.6	0.00	0.00	0.00
4,800.0	9.05	132.11	4,752.7	-411.4	455.1	613.4	0.00	0.00	0.00
4,850.0	9.05	132.11	4,802.1	-416.6	460.9	621.3	0.00	0.00	0.00
4,900.0	9.05	132.11	4,851.5	-421.9	466.8	629.2	0.00	0.00	0.00
4,950.0	9.05	132.11	4,900.8	-427.2	472.6	637.0	0.00	0.00	0.00
5,000.0	9.05	132.11	4,950.2	-432.5	478.4	644.9	0.00	0.00	0.00
5,050.0	9.05	132.11	4,999.6	-437.7	484.3	652.8	0.00	0.00	0.00
5,100.0	9.05	132.11	5,049.0	-443.0	490.1	660.7	0.00	0.00	0.00
5,150.0	9.05	132.11	5,098.3	-448.3	495.9	668.5	0.00	0.00	0.00
5,200.0	9.05	132.11	5,147.7	-453.6	501.8	676.4	0.00	0.00	0.00
5,250.0	9.05	132.11	5,197.1	-458.8	507.6	684.3	0.00	0.00	0.00
5,300.0	9.05	132.11	5,246.5	-464.1	513.5	692.1	0.00	0.00	0.00

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well T-28-8-17
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	T-28-8-17 @ 5203.0ft
Project:	USGS Myton SW (UT)	**MD Reference:**	T-28-8-17 @ 5203.0ft
Site:	SECTION 28	**North Reference:**	True
Well:	T-28-8-17	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,350.0	9.05	132.11	5,295.8	-469.4	519.3	700.0	0.00	0.00	0.00
5,400.0	9.05	132.11	5,345.2	-474.7	525.1	707.9	0.00	0.00	0.00
5,450.0	9.05	132.11	5,394.6	-479.9	531.0	715.7	0.00	0.00	0.00
5,500.0	9.05	132.11	5,444.0	-485.2	536.8	723.6	0.00	0.00	0.00
5,550.0	9.05	132.11	5,493.4	-490.5	542.6	731.5	0.00	0.00	0.00
5,600.0	9.05	132.11	5,542.7	-495.8	548.5	739.3	0.00	0.00	0.00
5,650.0	9.05	132.11	5,592.1	-501.0	554.3	747.2	0.00	0.00	0.00
5,700.0	9.05	132.11	5,641.5	-506.3	560.1	755.1	0.00	0.00	0.00
5,750.0	9.05	132.11	5,690.9	-511.6	566.0	762.9	0.00	0.00	0.00
5,800.0	9.05	132.11	5,740.2	-516.9	571.8	770.8	0.00	0.00	0.00
5,850.0	9.05	132.11	5,789.6	-522.1	577.7	778.7	0.00	0.00	0.00
5,900.0	9.05	132.11	5,839.0	-527.4	583.5	786.5	0.00	0.00	0.00
5,950.0	9.05	132.11	5,888.4	-532.7	589.3	794.4	0.00	0.00	0.00
6,000.0	9.05	132.11	5,937.7	-538.0	595.2	802.3	0.00	0.00	0.00
6,050.0	9.05	132.11	5,987.1	-543.2	601.0	810.1	0.00	0.00	0.00
6,100.0	9.05	132.11	6,036.5	-548.5	606.8	818.0	0.00	0.00	0.00
6,150.0	9.05	132.11	6,085.9	-553.8	612.7	825.9	0.00	0.00	0.00
6,200.0	9.05	132.11	6,135.3	-559.1	618.5	833.7	0.00	0.00	0.00
6,250.0	9.05	132.11	6,184.6	-564.3	624.3	841.6	0.00	0.00	0.00
6,300.0	9.05	132.11	6,234.0	-569.6	630.2	849.5	0.00	0.00	0.00
6,350.0	9.05	132.11	6,283.4	-574.9	636.0	857.3	0.00	0.00	0.00
6,400.0	9.05	132.11	6,332.8	-580.2	641.9	865.2	0.00	0.00	0.00
6,450.0	9.05	132.11	6,382.1	-585.4	647.7	873.1	0.00	0.00	0.00
6,500.0	9.05	132.11	6,431.5	-590.7	653.5	880.9	0.00	0.00	0.00
6,518.7	9.05	132.11	6,450.0	-592.7	655.7	883.9	0.00	0.00	0.00
T-28-8-17 TGT									

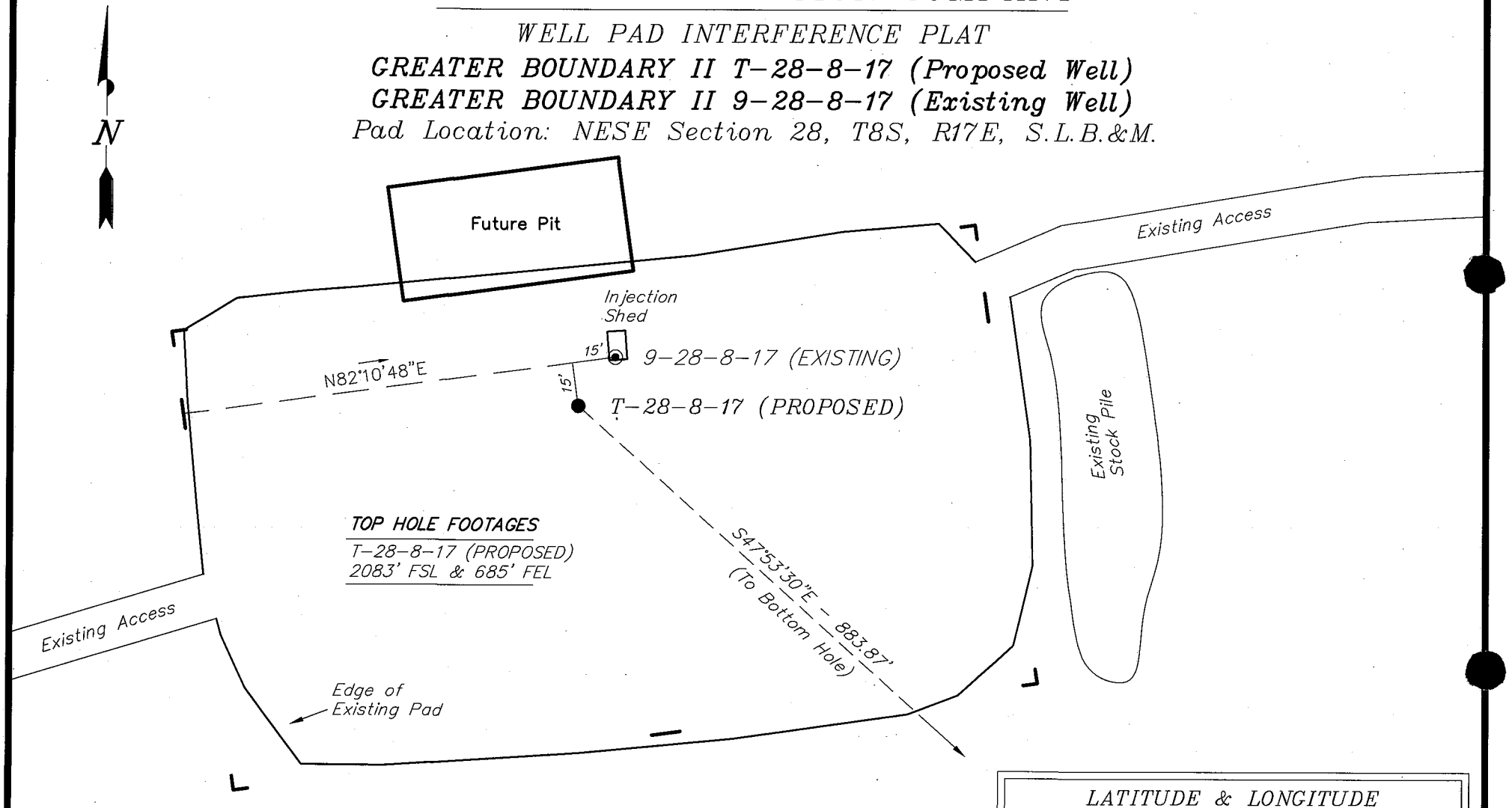
NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

GREATER BOUNDARY II T-28-8-17 (Proposed Well)

GREATER BOUNDARY II 9-28-8-17 (Existing Well)

Pad Location: NESE Section 28, T8S, R17E, S.L.B.&M.



Note:
Bearings are based on GLO Information.

BOTTOM HOLE FOOTAGES

T-28-8-17 (PROPOSED)
1490' FSL & 30' FEL

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
T-28-8-17	40° 05' 14.70"	110° 00' 16.38"
9-28-8-17	40° 05' 14.87"	110° 00' 16.21"

RELATIVE COORDINATES
From top hole to bottom hole

WELL	NORTH	EAST
T-28-8-17	-593'	656'

SURVEYED BY:	T.H.	DATE SURVEYED:	07-10-08
DRAWN BY:	F.T.M.	DATE DRAWN:	07-24-08
SCALE:	1" = 50'	REVISED:	

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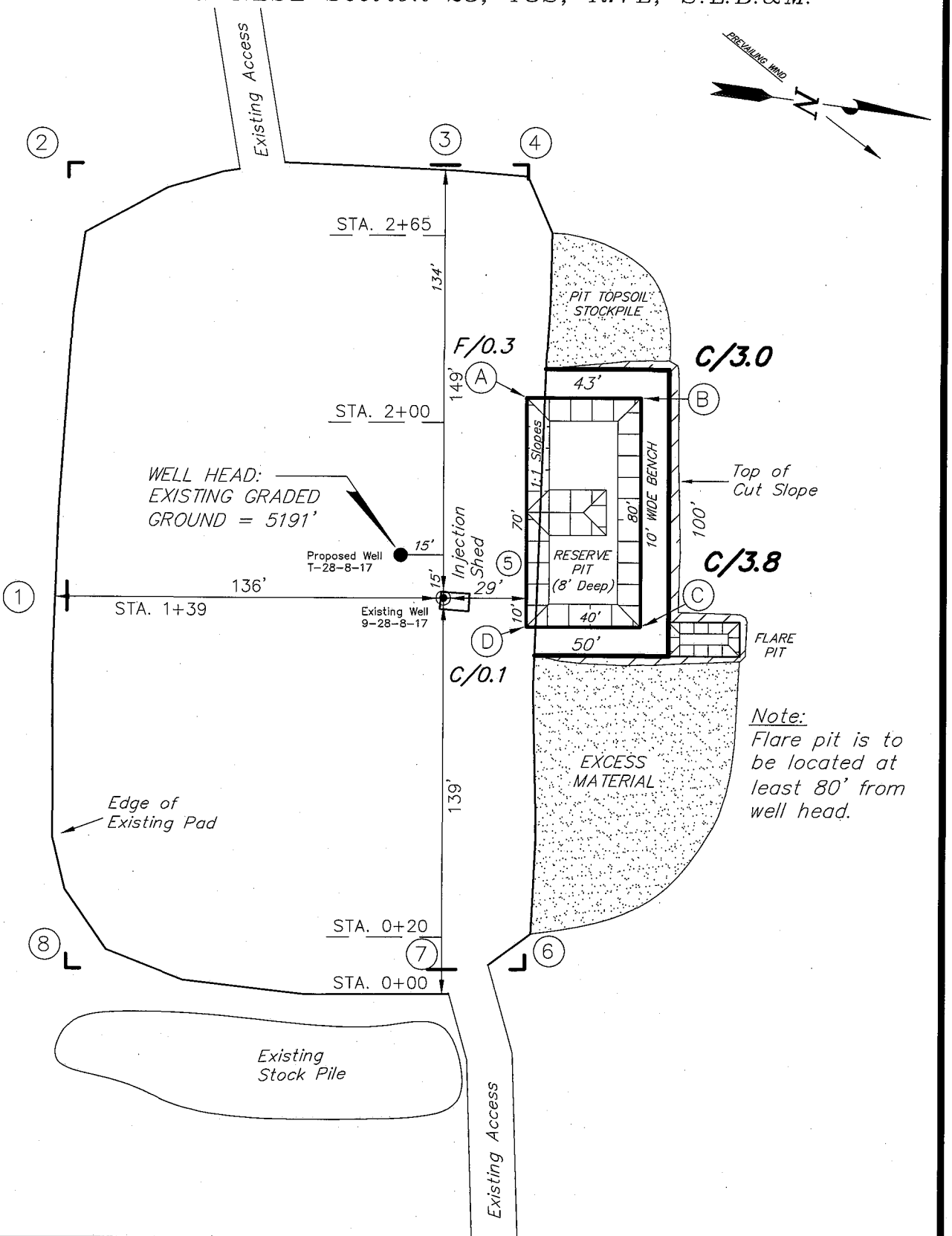
NEWFIELD PRODUCTION COMPANY

GREATER BOUNDARY II T-28-8-17 (Proposed Well)
GREATER BOUNDARY II 9-28-8-17 (Existing Well)

Pad Location: NESE Section 28, T8S, R17E, S.L.B.&M.



SURVEYED BY: T.H.		DATE SURVEYED:	07-10-08
DRAWN BY: F.T.M.		DATE DRAWN:	07-24-08
SCALE: 1" = 50'		REVISED:	

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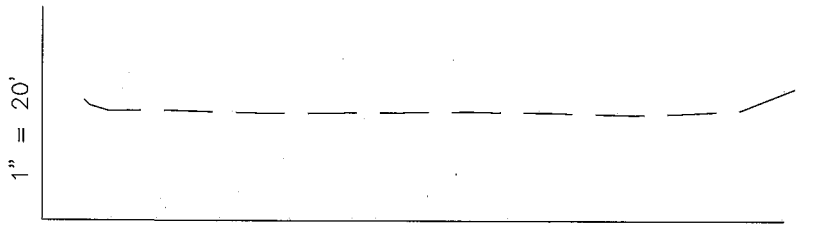
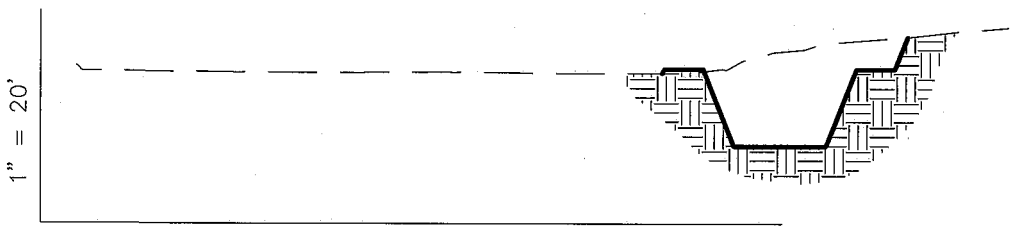
NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

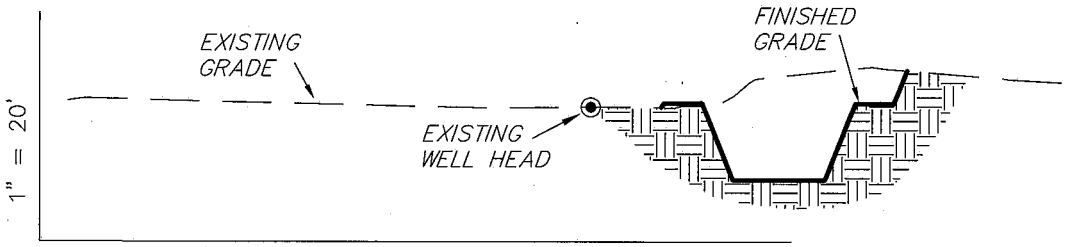
GREATER BOUNDARY II T-28-8-17 (Proposed Well)
GREATER BOUNDARY II 9-28-8-17 (Existing Well)



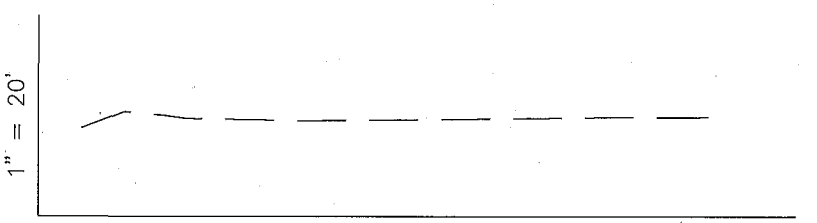
STA. 2+65



STA. 2+00



STA. 1+39



STA. 0+20

NOTE:
UNLESS OTHERWISE NOTED
CUT SLOPES ARE AT 1:1
FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	470	10	Topsoil is not included in Pad Cut	460
PIT	640	0		640
TOTALS	1,110	10	130	1,100

SURVEYED BY: T.H.	DATE SURVEYED:	07-10-08	
DRAWN BY: F.T.M.	DATE DRAWN:	07-24-08	
SCALE: 1" = 50'	REVISED:		

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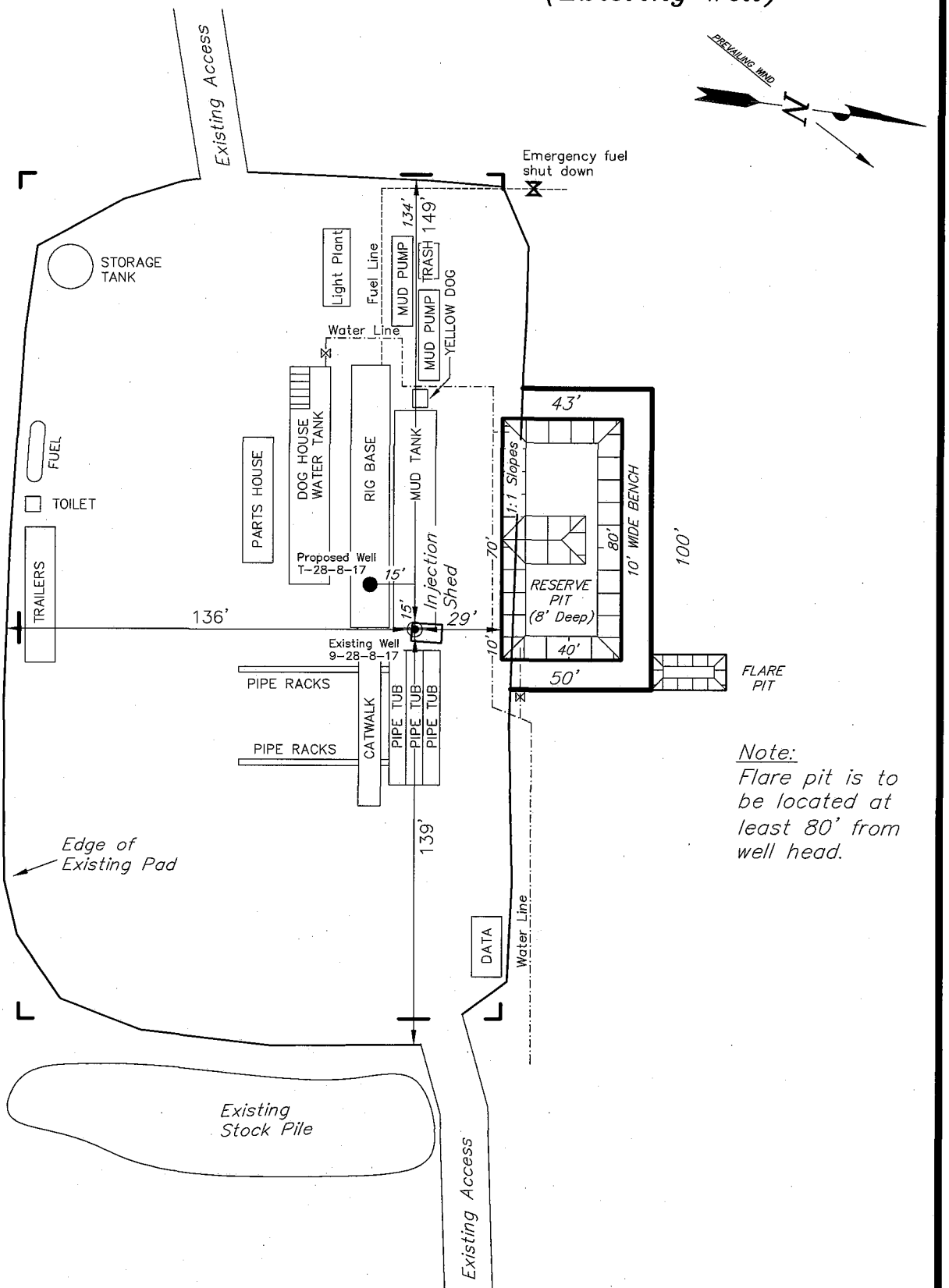
NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

GREATER BOUNDARY II T-28-8-17 (Proposed Well)
GREATER BOUNDARY II 9-28-8-17 (Existing Well)



Note:
Flare pit is to be located at least 80' from well head.

SURVEYED BY: T.H.	DATE SURVEYED:	07-10-08	
DRAWN BY: F.T.M.	DATE DRAWN:	07-24-08	
SCALE: 1" = 50'	REVISED:		

Tri State Land Surveying, Inc. (435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

Newfield Production Company
Proposed Site Facility Diagram

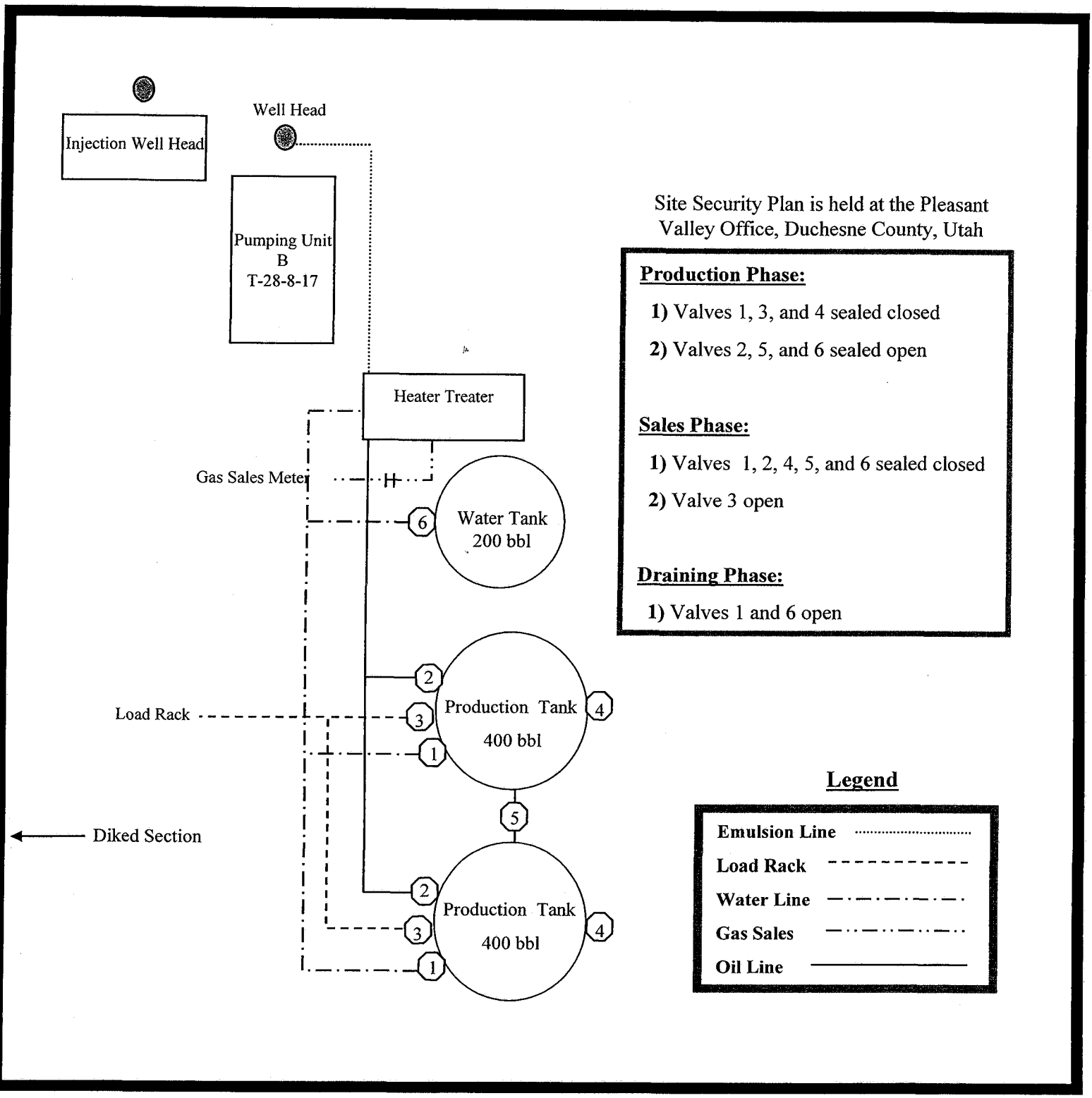
Greater Boundary II Federal T-28-8-17

From the 9-28-8-17 Location

NE/SE Sec. 28 T8S, R17E

Duchesne County, Utah

UTU-76241



Site Security Plan is held at the Pleasant Valley Office, Duchesne County, Utah

Production Phase:

1) Valves 1, 3, and 4 sealed closed

2) Valves 2, 5, and 6 sealed open

Sales Phase:

1) Valves 1, 2, 4, 5, and 6 sealed closed

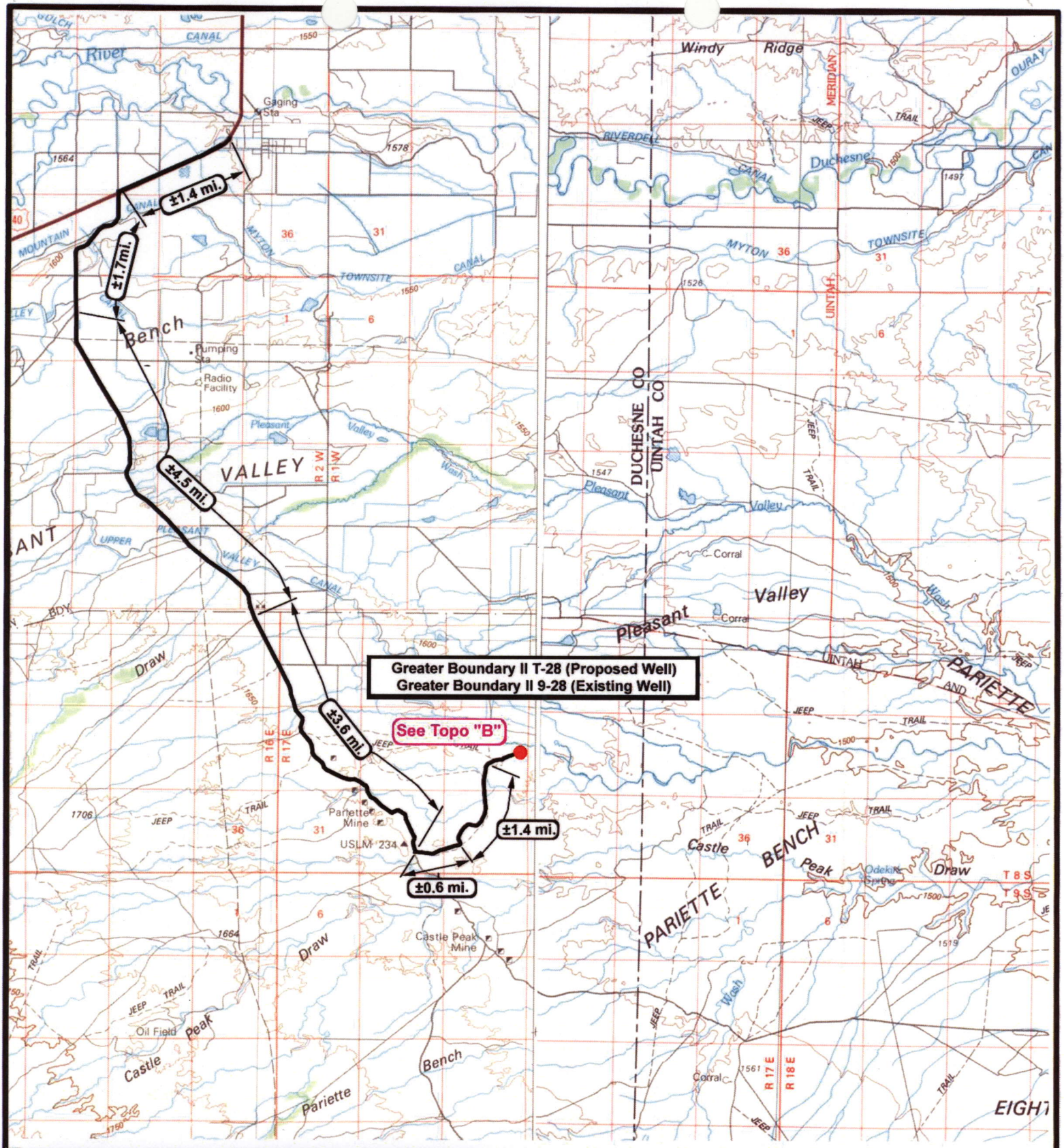
2) Valve 3 open

Draining Phase:

1) Valves 1 and 6 open

Legend

Emulsion Line	.....
Load Rack	- - - - - - - - - -
Water Line	—·—·—·—·—
Gas Sales	—··—··—··—
Oil Line	———————



NEWFIELD
Exploration Company

Greater Boundary II T-28-8-17 (Proposed Well)
Greater Boundary II 9-28-8-17 (Existing Well)
Pad Location: NESE SEC. 28, T8S, R17E, S.L.B.&M.

N

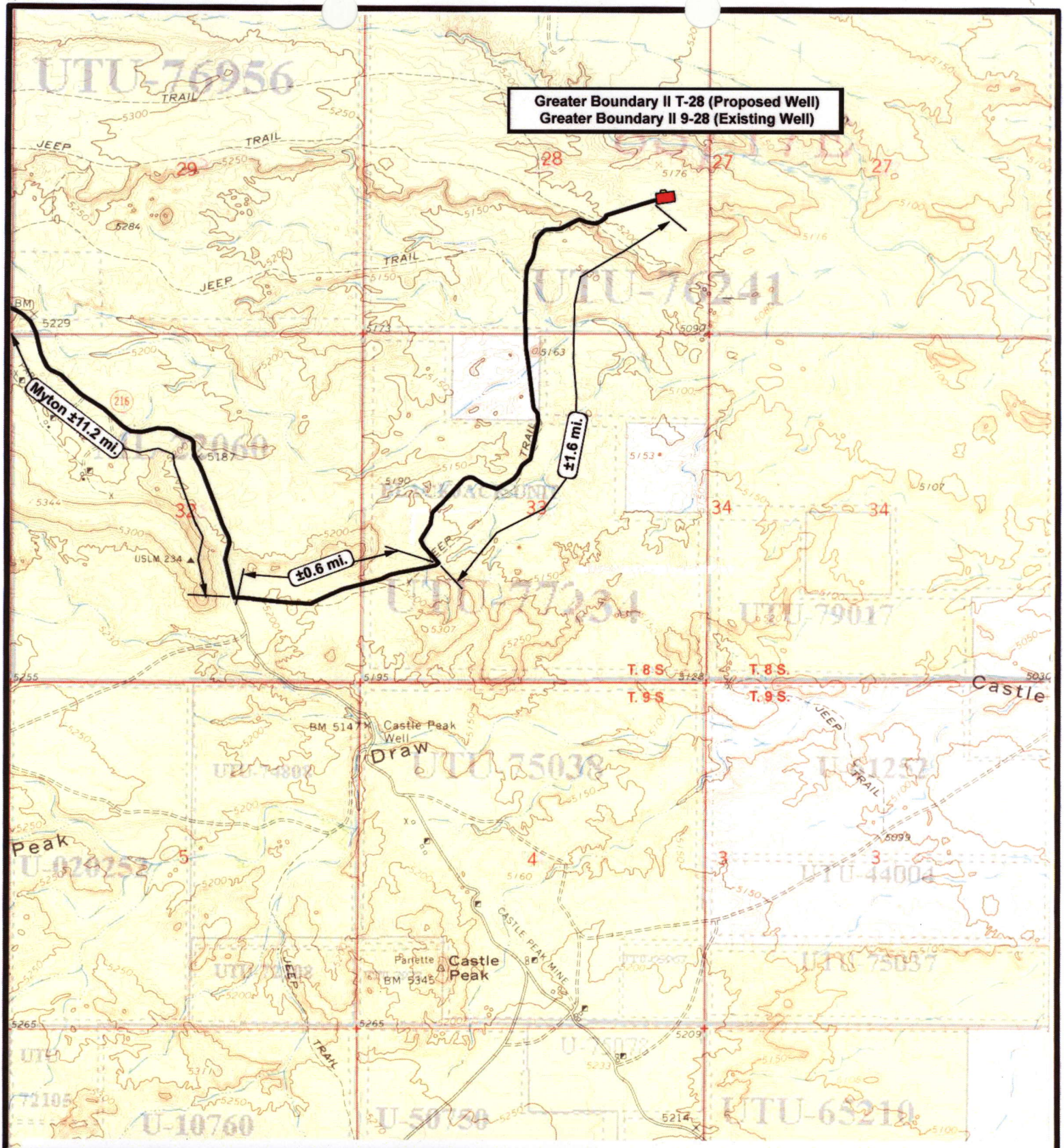
Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

Legend

Existing Road

SCALE: 1:100,000
DRAWN BY: JAS
DATE: 07-29-2008

TOPOGRAPHIC MAP
"A"



NEWFIELD
Exploration Company

Greater Boundary II T-28-8-17 (Proposed Well)
Greater Boundary II 9-28-8-17 (Existing Well)
Pad Location: NESE SEC. 28, T8S, R17E, S.L.B.&M.

N

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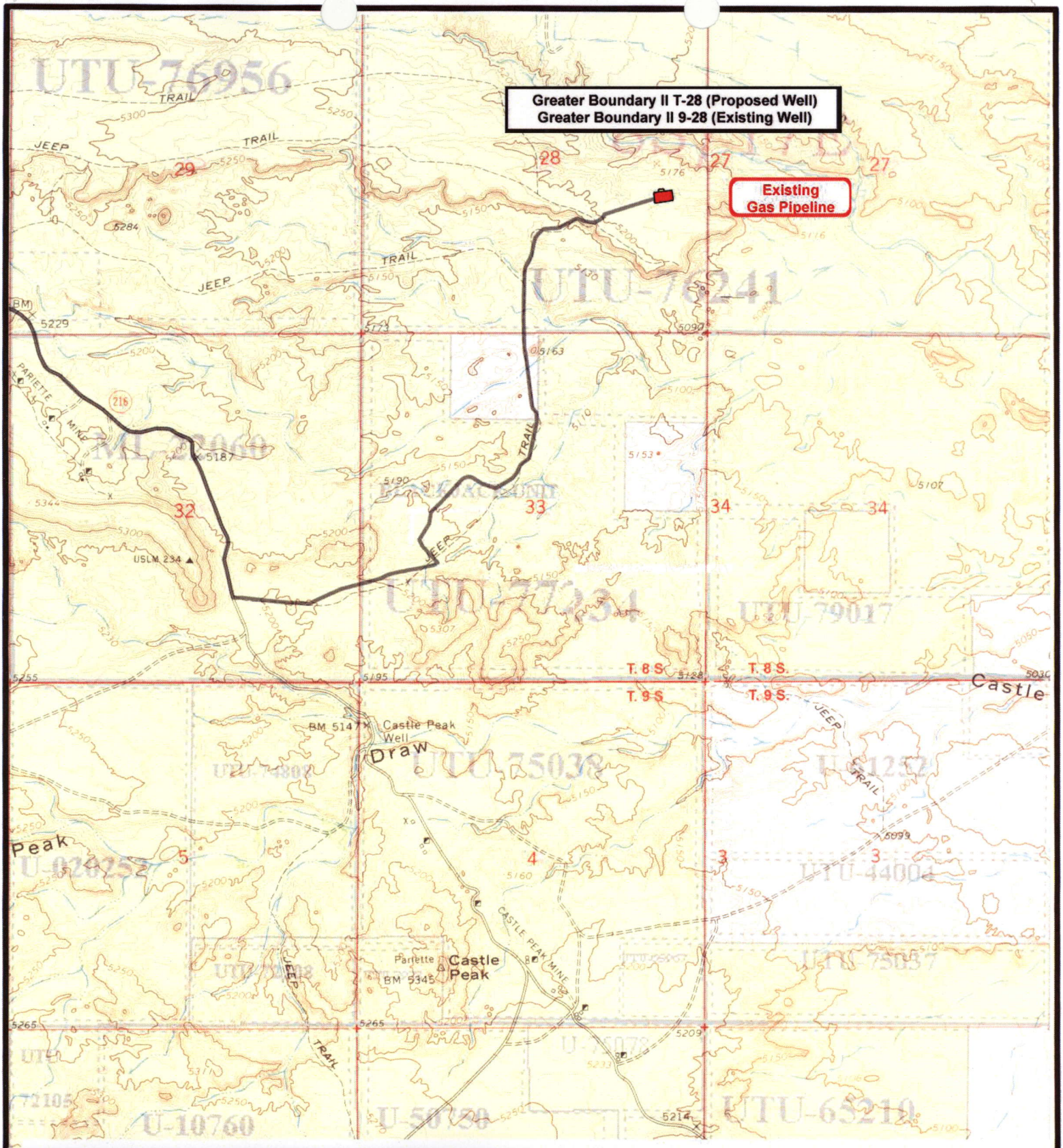
SCALE:	1" = 2,000'
DRAWN BY:	JAS
DATE:	07-29-2008

Legend

Existing Road

TOPOGRAPHIC MAP
"B"



NEWFIELD
Exploration Company

Greater Boundary II T-28-8-17 (Proposed Well)
Greater Boundary II 9-28-8-17 (Existing Well)
Pad Location: NESE SEC. 28, T8S, R17E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
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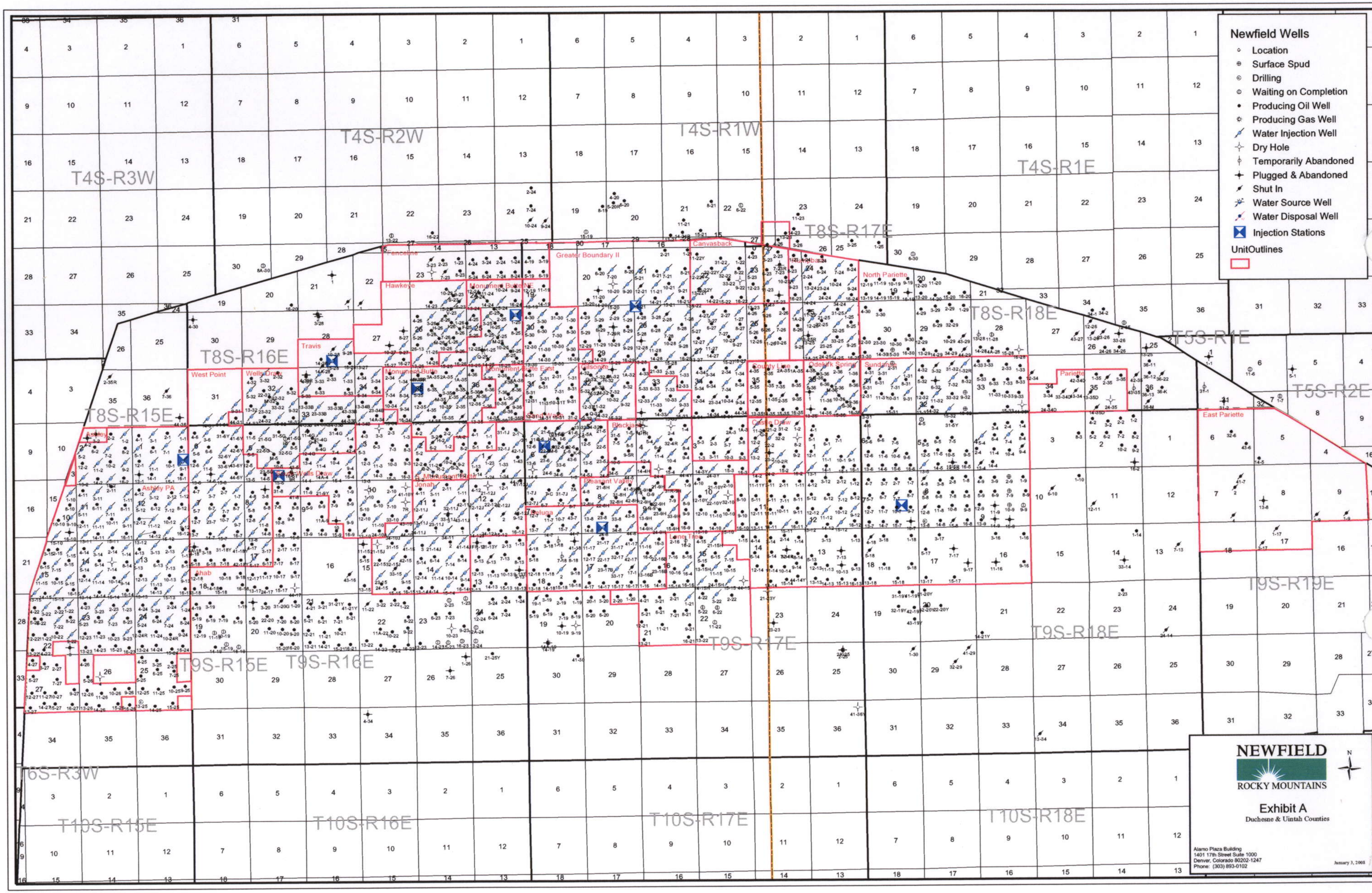
180 North Vernal Ave. Vernal, Utah 84078

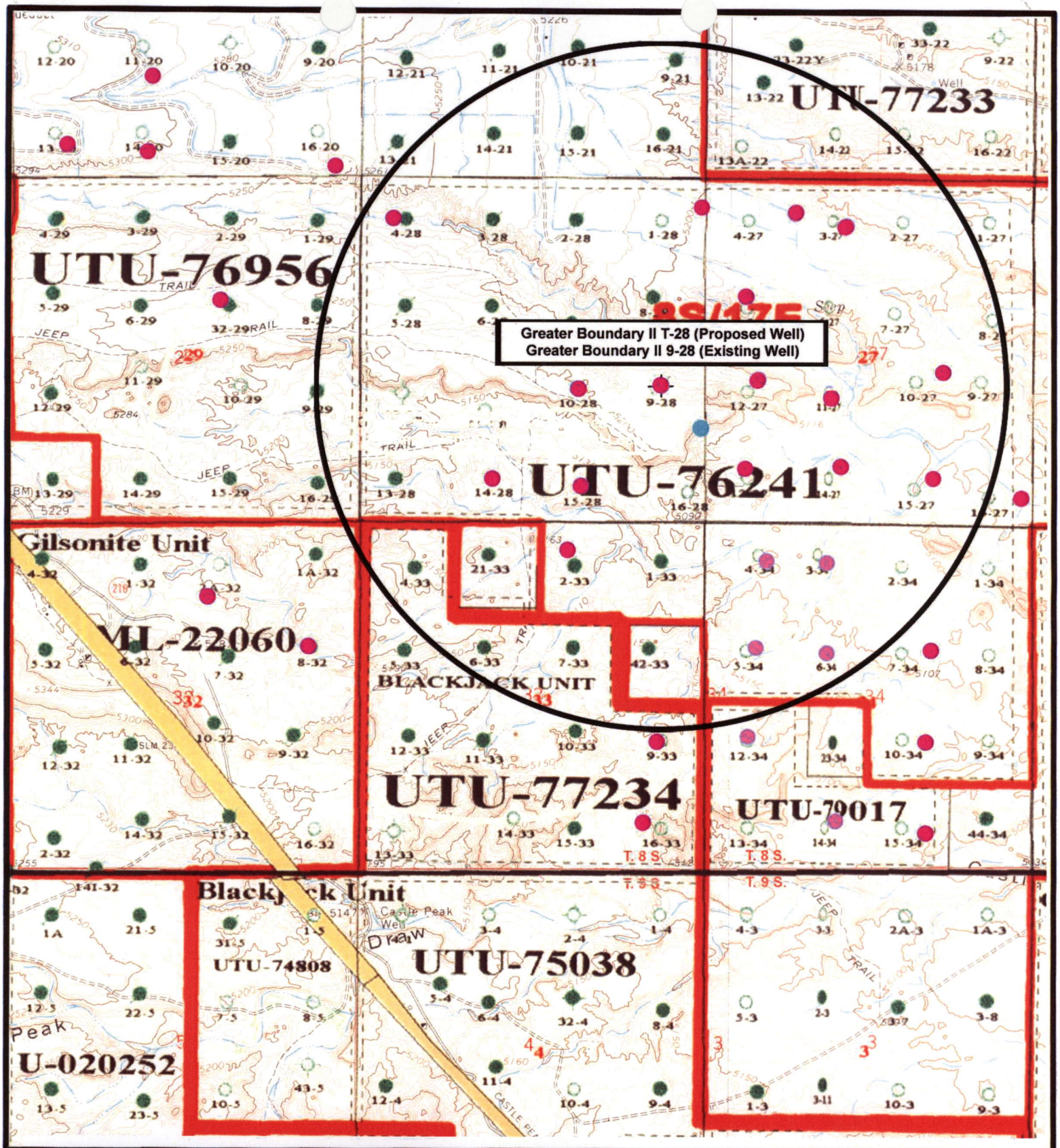
SCALE: 1" = 2,000'
DRAWN BY: JAS
DATE: 07-29-2008

Legend

Roads

TOPOGRAPHIC MAP
"C"


Newfield Wells
Location
Surface Spud
Drilling
Waiting on Completion
Producing Oil Well
Producing Gas Well
Water Injection Well
Dry Hole
Temporarily Abandoned
Plugged & Abandoned
Shut In
Water Source Well
Water Disposal Well
Injection Stations
UnitOutlines
NEWFIELD
ROCKY MOUNTAINS
Exhibit A
Duchesne & Uintah Counties
Alamo Plaza Building
1401 17th Street Suite 1000
Denver, Colorado 80202-1247
Phone: (303) 893-0102
January 3, 2008
T4S-R3W
T4S-R2W
T4S-R1W
T4S-R1E
T8S-R17E
T8S-R16E
T8S-R18E
T5S-R1E
T5S-R2E
T8S-R15E
T9S-R15E
T9S-R16E
T9S-R17E
T9S-R18E
T9S-R19E
T6S-R3W
T10S-R15E
T10S-R16E
T10S-R17E
T10S-R18E
Greater Boundary II
Canvasback
Fenceline
Hawkeye
Monument Butte NE
North Pariette
Travis
West Point
Wells Draw
Monument Butte
Monument Butte East
Gilsonite
County Line
Odekirk Spring
Sundance
Pariette
East Pariette
Ashley
Ashley PA
Castle Draw
Jonah
S. Mon Butte
Beluga
Pleasant Valley
Blackjack
Long Draw
Boll Draw
Sandwash
Ahab



NEWFIELD
Exploration Company

Greater Boundary II T-28-8-17 (Proposed Well)
Greater Boundary II 9-28-8-17 (Existing Well)
Pad Location: NESE SEC. 28, T8S, R17E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: JAS
DATE: 07-29-2008

Legend

- Pad Location
- Bottom Hole Location
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

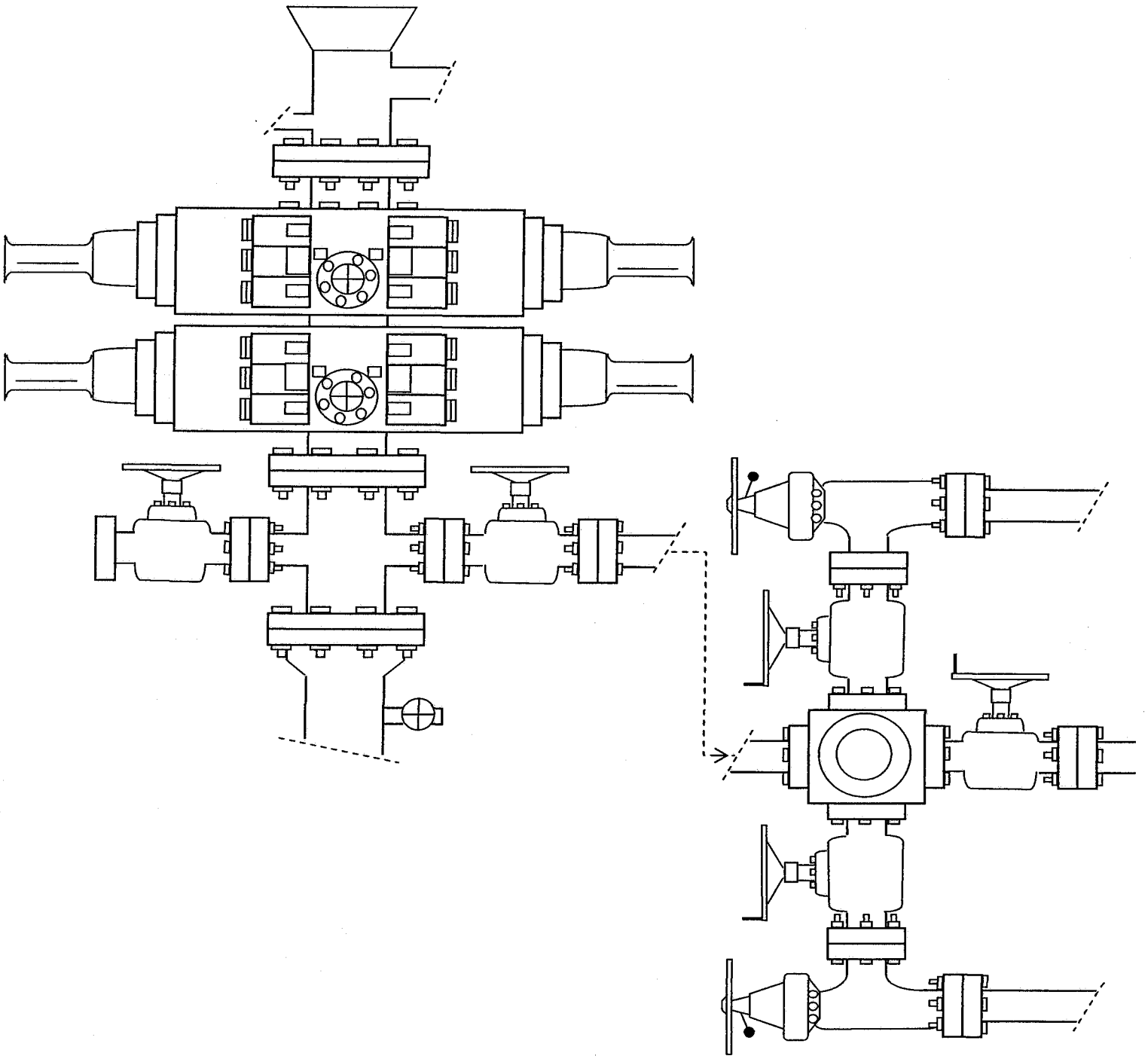


EXHIBIT C

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 09/22/2008

API NO. ASSIGNED: 43-013-34095

WELL NAME: GB II FED T-28-8-17

OPERATOR: NEWFIELD PRODUCTION (N2695)

PHONE NUMBER: 435-646-3721

CONTACT: MANDIE CROZIER

PROPOSED LOCATION:

NESE 28 080S 170E

SURFACE: 2083 FSL 0685 FEL

BOTTOM: 1490 FSL 0030 FEL

COUNTY: DUCHESNE

LATITUDE: 40.08751 LONGITUDE: -110.0038

UTM SURF EASTINGS: 584932 NORTHINGS: 4437736

FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /		
Tech Review	**Initials**	**Date**
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-76241

PROPOSED FORMATION: GRRV

SURFACE OWNER: 1 - Federal

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB000493)

N Potash (Y/N)

N Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 43-7478)

N RDCC Review (Y/N)
(Date:)

N/A Fee Surf Agreement (Y/N)

N/A Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: GREATER BOUNDARY II (GR)

___ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

✓ Drilling Unit

Board Cause No: 225-04

Eff Date: 9-22-2004

Siting: Suspends General Siting

✓ R649-3-11. Directional Drill

COMMENTS: Sop, Separate file

STIPULATIONS: 1- Federal Approval

API Number: 4301334095

Well Name: GB II FED T-28-8-17

Township 08.0 S Range 17.0 E Section 28

Meridian: SLBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason

TREATY BOUNDARY FIELD

CANVASBACK (GR) UNIT

MONUMENT BUTTE FIELD
GREATER BOUNDARY II UNIT

BLACKJACK (GR) UNIT

T8S R17E

20 21 22 27 28 29 32 33 34

4301331583 MON FED 13-22-8-17Y
4301332240 CANVASBACK 15-22-8-17
4301332241 CANVASBACK 16-22-8-17
4301332239 CANVASBACK 14-22-8-17
4301331643 MON FED 14-22-8-17
4301332238 CANVASBACK 13A-22-8-17
4301330665 BOUNDARY FED 13-21
4301331441 BOUNDARY FED 14-21
4301331622 BOUNDARY FED 15-21
4301331627 BOUNDARY FED 16-21
4301333135 GB FED 16-20-8-17
4301331623 TAR SANDS FED 3-28
4301331743 TAR SANDS FED 1-29
4301331641 TAR SANDS FED 4-28
4301331642 TAR SANDS FED 2-28
4301332318 GB 1-28-8-17
4301332230 GBU 4-27-8-17
4301332224 GBU 3-27-8-17
4301332229 GBU 2-27-8-17
4301332228 GBU 1-27-8-17
4301333815 GB II FED K-28-8-17
4301332225 GBU 5-27-8-17
4301334092 GB II FED F-27-8-17
4301332068 TAR SANDS FED 8-28-8-17
4301332231 GBU 6-27-8-17
4301332233 GBU 8-27-8-17
4301333814 GB II FED I-27-8-17
4301332232 GBU 7-27-8-17
4301331697 TAR SANDS FED 5-28 (I)
4301331921 TAR SANDS FED 6-28
4301331922 TAR SANDS FED 8-29
4301332069 TAR SANDS FED 7-28-8-17
4301334096 GB II FED L-28-8-17
4301334069 GB II FED S-29-8-17
4301331942 SAND WASH 9-29-8-17
4301331943 SAND WASH 12-28-8-17
4301332066 TAR SANDS FED 10-28-8-17
4301334029 GB II FED M-28-8-17
4301334095 GB II FED T-28-8-17
4301332067 TAR SANDS FED 9-28-8-17
4301332134 GREATER BOUNDARY 11-28-8-17
4301332226 GBU 12-27-8-17
4301332243 GBU 11-27-8-17
4301332235 GBU 10-27-8-17
4301332234 GBU 9-27-8-17
4301331871 TAR SANDS FED 16-29
4301331771 TAR SANDS FED 13-28
4301333938 GB II FED W-28-8-17
4301333976 GB II FED S-28-8-17
4301332109 TAR SANDS FED 15-28-8-17
4301332111 TAR SANDS FED 16-28-8-17
4301332244 GBU 13-27-8-17
4301332245 GBU 14-27-8-17
4301334009 GB II FED Q-27-8-17
4301332246 GBU 15-27-8-17
4301332247 GBU 16-27-8-17
4301330691 STATE 1A-32
4301331914 HARBOURTOWN FED 21-33
4301331664 TAR SANDS FED 4-33
4301333939 GB II FED V-28-8-17
4301331867 TAR SANDS FED 2-33
4301331863 TAR SANDS FED 1-33
4301332254 GBU 4-34-8-17
4301332292 GBU 3-34-8-17
4301332253 GBU 2-34-8-17
4301333874 GB II FED H-34-8-17
4301332252 GBU 1-34-8-17
4301331498 GILSONITE STATE 8-32
4301333864 GILSONITE ST L-32-8-17
4301331814 TAR SANDS FED 6-33
4301331860 TAR SANDS FED 7-33
4301331915 HARBOURTOWN FED 42-33
4301332255 GBU 5-34-8-17
4301332256 GBU 6-34-8-17
4301332257 GBU 7-34-8-17
4301333875 GB II FED M-34-8-17
4301332277 GBU 8-34-8-17

Units
STATUS
ACTIVE
EXPLORATORY
GAS STORAGE
NF PP OIL
NF SECONDARY
PI OIL
PP GAS
PP GEOTHERML
PP OIL
SECONDARY
TERMINATED
Fields
STATUS
ACTIVE
COMBINED
Sections
Township

Wells Query Events
<all other values>
GIS_STAT_TYPE
<Null>
APD
DRL
GI
GS
LA
NEW
OPS
PA
PGW
POW
RET
SGW
SOW
TA
TW
WD
WI
WS
Bottom Hole Location

Location Map

1,300 650 0 1,300 Feet

1:12,000

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

September 25, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2008 Plan of Development Greater Boundary Unit, Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Greater Boundary Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION

(Proposed PZ Green River)

43-013-34092 GB II Fed F-27-8-17 Sec 27 T08S R17E 1840 FNL 0569 FWL
BHL Sec 27 T08S R17E 1225 FNL 0235 FWL

43-013-34095 GB II Fed T-28-8-17 Sec 28 T08S R17E 2083 FSL 0685 FEL
BHL Sec 28 T08S R17E 1490 FSL 0030 FEL

43-013-34096 GB II Fed L-28-8-17 Sec 28 T08S R17E 2222 FNL 2001 FEL
BHL Sec 28 T08S R17E 2645 FSL 1300 FEL

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File – Greater Boundary Unit
Division of Oil Gas and Mining
Central Files

NEWFIELD
PRODUCTION COMPANY

September 22, 2008

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
PO Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
Greater Boundary II Federal T-28-8-17
Greater Boundary IIUnit
UTU-77098X
Surface Hole: T8S R17E, Section 28: NESE
2083' FSL 685' FEL
Bottom Hole: T8S R17E, Section 28
1490' FSL 30' FEL
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated September 15, 2008, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Greater Boundary II Federal Unit UTU-77098X. Newfield certifies that it is the Greater Boundary II Unit Operator and all lands within 460 feet of the entire directional well bore are within the Greater Boundary II Unit.

NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at reveland@newfield.com . Your consideration of this matter is greatly appreciated.

Sincerely,

Roxann Eveland

Roxann Eveland
Land Associate

Form 3160-3
(September 2001)

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU-76241

6. If Indian, Allottee or Tribe Name: N/A

1a. Type of Work: [x] DRILL [ ] REENTER

7. If Unit or CA Agreement, Name and No.: Greater Boundary II Unit

1b. Type of Well: [x] Oil Well [ ] Gas Well [ ] Other [x] Single Zone [ ] Multiple Zone

8. Lease Name and Well No.: Greater Boundary II Federal T-28-8-17

2. Name of Operator: Newfield Production Company

9. API Well No.:

3a. Address: Route #3 Box 3630, Myton UT 84052

3b. Phone No. *(include area code)*: (435) 646-3721

10. Field and Pool, or Exploratory: Monument Butte

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface: NE/SE 2083' FSL 685' FEL

At proposed prod. zone: 1490' FSL 30' FEL

11. Sec., T., R., M., or Blk. and Survey or Area: Sec. 28, T8S R17E

14. Distance in miles and direction from nearest town or post office*: Approximatley 13.4 miles southeast of Myton, Utah

12. County or Parish: Duchesne

13. State: UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any): Approx. 30' f/lse, 1490' f/unit

16. No. of Acres in lease: 1880.00

17. Spacing Unit dedicated to this well: 20 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.: Approx. 1242'

19. Proposed Depth: 6450'

20. BLM/BIA Bond No. on file: WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 5191' GL

22. Approximate date work will start*: 1st Quarter 2009

23. Estimated duration: Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature: Mandie Crozier | Name *(Printed/Typed)*: Mandie Crozier | Date: 9/15/08

Title: Regulatory Specialist

Approved by *(Signature)* | Name *(Printed/Typed)* | Date

Title | Office

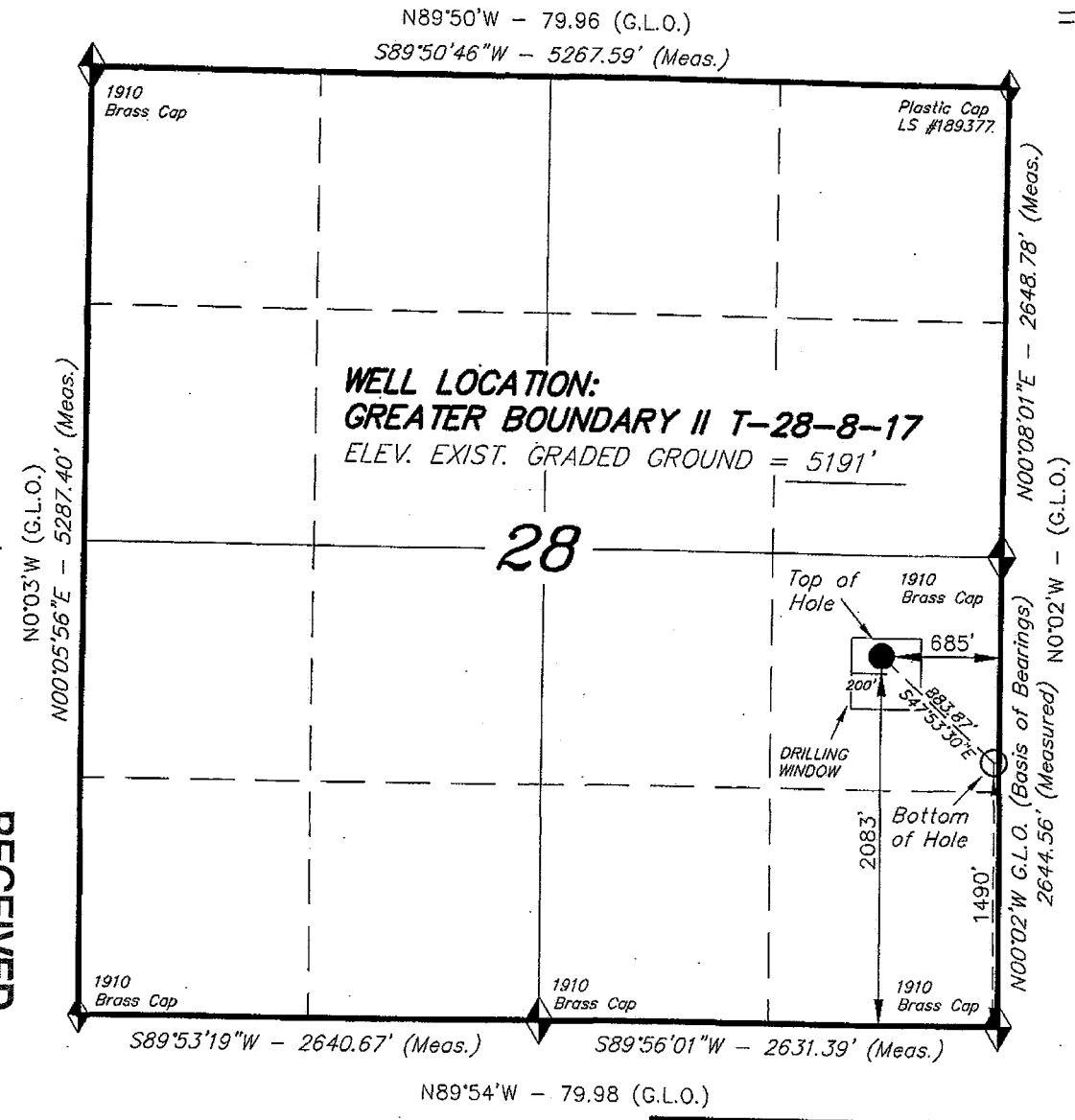
Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**(Instructions on reverse)*

RECEIVED
SEP 29 2008
DIV. OF OIL, GAS & MINING

T8S, R17E, S.L.B.&M.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

GREATER BOUNDARY II T-28-8-17
(Surface Location) NAD 83
LATITUDE = 40° 05' 14.70"
LONGITUDE = 110° 00' 16.38"

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, GREATER BOUNDARY II T-28-8-17, LOCATED AS SHOWN IN THE NE 1/4 SE 1/4 OF SECTION 28, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

1000' 500' 0' 1000'
BAR SCALE

N

Note:
1. The bottom of hole footages are 1490' FSL & 30' FEL.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR No.189377 STATE OF UTAH

STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 07-10-08	SURVEYED BY: T.H.
DATE DRAWN: 07-24-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

September 29, 2008

Newfield Production Company
Rt. #3, Box 3630
Myton, UT 84052

Re: Greater Boundary II Federal T-28-8-17 Well, Surface Location 2083' FSL, 685' FEL, NE SE, Sec. 28, T. 8 South, R. 17 East, Bottom Location 1490' FSL, 30' FEL, NE SE, Sec. 28, T. 8 South, R. 17 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-34095.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal Field Office

Operator: Newfield Production Company

Well Name & Number Greater Boundary II Federal T-28-8-17

API Number: 43-013-34095

Lease: UTU-76241

Surface Location:	NE SE	**Sec.** 28	**T.** 8 South	**R.** 17 East
Bottom Location:	NE SE	**Sec.** 28	**T.** 8 South	**R.** 17 East

Conditions of Approval

1. **General**

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

   Notify the Division within 24 hours of spudding the well.

   - Contact Carol Daniels at (801) 538-5284

   Notify the Division prior to commencing operations to plug and abandon the well.

   - Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

3. **Reporting Requirements**

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

RECEIVED
VERNAL FIELD OFFICE

2008 SEP 19 PM 1 03

DEPT OF THE INTERIOR
BUREAU OF LAND MGMT

Form 3160-3
(September 2001)

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU-76241

6. If Indian, Allottee or Tribe Name
N/A

1a. Type of Work: [x] DRILL [ ] REENTER

7. If Unit or CA Agreement, Name and No.
Greater Boundary II Unit

1b. Type of Well: [x] Oil Well [ ] Gas Well [ ] Other [x] Single Zone [ ] Multiple Zone

8. Lease Name and Well No.
Greater Boundary II Federal T-28-8-17

2. Name of Operator
Newfield Production Company

9. API Well No.
43 013 34095

3a. Address
Route #3 Box 3630, Myton UT 84052

3b. Phone No. *(include area code)*
(435) 646-3721

10. Field and Pool, or Exploratory
Monument Butte

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface NE/SE 2083' FSL 685' FEL
At proposed prod. zone 1490' FSL 30' FEL NESE

11. Sec., T., R., M., or Blk. and Survey or Area
Sec. 28, T8S R17E

14. Distance in miles and direction from nearest town or post office*
Approximatley 13.4 miles southeast of Myton, Utah

12. County or Parish
Duchesne

13. State
UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 30' f/lse, 1490' f/unit

16. No. of Acres in lease
1880.00

17. Spacing Unit dedicated to this well
20 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
Approx. 1242'

19. Proposed Depth
6450'

20. BLM/BIA Bond No. on file
WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5191' GL

22. Approximate date work will start*
1st Quarter 2009

23. Estimated duration
Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature: Mandie Crozier
Name *(Printed/Typed)*: Mandie Crozier
Date: 9/15/08

Title: Regulatory Specialist

Approved by *(Signature)*: Jerry Kenczka
Name *(Printed/Typed)*: Jerry Kenczka
Date: JAN 16 2009

Title: Assistant Field Manager
Lands & Mineral Resources
Office: VERNAL FIELD OFFICE

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached. CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**(Instructions on reverse)*

NOS 8-7-08

AFMSS# 08PP1061A

UDOGM

NOTICE OF APPROVAL

RECEIVED
JAN 27 2009
DIV. OF OIL, GAS & MINING

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Newfield Production Company**	**Location:**	**NESE, Sec. 28, T8S, R17E (S)** **NESE, Sec. 28, T8S, R17E (B)**
Well No:	**Greater Boundary II Fed T-28-8-17**	**Lease No:**	**UTU-76241**
API No:	**43-013-34095**	**Agreement:**	**Greater Boundary II Unit**

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist:	David Gordon	(435) 781-4424	
NRS/Enviro Scientist:	Christine Cimiluca	(435) 781-4475	

Fax: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC COAs:

None

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- **Newfield Production Co. shall adhere to all referenced requirements in the SOP along with all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders. A complete angular deviation and directional survey report shall be submitted to the Vernal BLM field office within 30 days following the completion of the well.**

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.

    - Well name and number.

    - Well location (¼¼, Sec., Twn, Rng, and P.M.).

    - Date well was placed in a producing status (date of first production for which royalty will be paid).

    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

    - Unit agreement and/or participating area name and number, if applicable.

    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Spud

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross Rig # 29 Submitted By Don Bastian Phone Number 435-823-6012
Well Name/Number GB Federal T-28-8-17
Qtr/Qtr NE/SE Section 28 Township 8 S Range 17E
Lease Serial Number UTU-76241
API Number 43-013-34095

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 6/19/09 9:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

☒ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

Date/Time 6/19/09 4:00 AM ☐ PM ☒

BOPE

☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time _____ _____ AM ☐ PM ☐

Remarks We'll Move Ross Rig #29 On And Spud Well 6/19/09 @ 9:00 AM

—

FORM 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31,2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on page 2

5. Lease Serial No.
USA UTU-76241

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
GREATER BOUNDARY II

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
GRTR BNDRY II T-28-8-17

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

9. API Well No.
4301334095

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*

Section 28 T8S R17E

11. County or Parish, State
DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Spud Notice
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to Injector	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 6/19/09 MIRU Ross rig # 29.Spud well @ 9:00 AM. Drill 320' of 12 1/4" hole with air mist. TIH W/ 8 Jt's 8 5/8" J-55 24 # csgn. Set @ 321.17 KB On 6/24/09 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 7.5 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct *(Printed/ Typed)*
Alvin Nielsen

Title
Drilling Foreman

Signature

Date
06/24/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

RECEIVED
JUL 06 2009
DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8" CASING SET AT **321.17**

LAST CASING **8 5/8"** SET AT **321.17**
DATUM **12**
DATUM TO CUT OFF CASING **12**
DATUM TO BRADENHEAD FLANGE **12**
TD DRILLER **320** LOGGER
HOLE SIZE **12 1/4"**

OPERATOR **Newfield Exploration Company**
WELL **GRTR BNDRY II T-28-8-17**
FIELD/PROSPECT **Monument Butte**
CONTRACTOR & RIG # **Ross Rig # 29**

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
1		92 csg head				A	0.95
8	8 5/8"	ST&C csg (Shoe jt 37.60)	24	J-55	STC	A	309.32
1		Guide shoe				A	0.9

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	311.17	8
LESS NON CSG. ITEMS	1.85	
PLUS FULL JTS. LEFT OUT	0	
TOTAL	309.32	8
TOTAL CSG. DEL. (W/O THRDS)	309.32	8
TIMING		
BEGIN RUN CSG. Spud	9:00 AM	6/19/2009
CSG. IN HOLE	4:00 PM	6/19/2009
BEGIN CIRC	7:20 AM	6/24/2009
BEGIN PUMP CMT	7:35 AM	6/24/2009
BEGIN DSPL. CMT	7:50 AM	6/24/2009
PLUG DOWN	**7:58 AM**	**6/24/2009**

TOTAL LENGTH OF STRING	311.17
LESS CUT OFF PIECE	2
PLUS DATUM TO T/CUT OFF CSG	12
CASING SET DEPTH	**321.17**

} COMPARE

GOOD CIRC THRU JOB Yes
Bbls CMT CIRC TO SURFACE 8
RECIPROCATED PIPI No

BUMPED PLUG TO 359

CEMENT USED		CEMENT COMPANY- BJ
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	160	G+2%CaCl+.25#Skcello flake
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING
Middle first, top second & third for 3		

COMPANY REPRESENTATIVE **Alvin Nielsen** DATE **6/24/2009**

FORM 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31,2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on page 2

5. Lease Serial No.
USA UTU-76241

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
GREATER BOUNDARY II

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
GRTR BNDRY II T-28-8-17

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

9. API Well No.
4301334095

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*

Section 28 T8S R17E

11. County or Parish, State
DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Weekly Status Report
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to Injector	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 7/7/09 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notifed of test. PU BHA and tag cement @ 283'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6455'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 163 jt's of 5.5 J-55, 15.5# csgn. Set @ 6436.05'/ KB. Cement with 250 sks cement mixed @ 11.0 ppg & 3.53 yld. The 425sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 12.5 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 90,000 #'s tension. Release rig @ 10:00 pm 7/14/09.

RECEIVED
JUL 21 2009
DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct *(Printed/ Typed)*
Don Bastian

Title
Drilling Foreman

Signature
Don Bastian

Date
07/15/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT **6436.05**

LAST CASING **8 5/8"** SET AT **321**
DATUM **12**
DATUM TO CUT OFF CASING **12**
DATUM TO BRADENHEAD FLANGE **12**
TD DRILLER **6455** LOGG **6449**
HOLE SIZE **7 7/8"**

OPERATOR **Newfield Exploration Company**
WELL **GRTR BNDRY II T-28-8-17**
FIELD/PROSPECT **Monument Butte**
CONTRACTOR & RIG # **NDSI # 2**

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
1	5 1/2"	Landing Jt	15.5	J-55	8rd	A	14
163	5 1/2"	LT&C Casing	15.5	J-55	8rd	A	6382.97
1	5 1/2"	Float Collar	-----	-----	----	A	0.6
1	5 1/2"	LT&C Casing	15.5	J-55	8rd	A	39.83
1	5 1/2"	Guide Shoe	-----	-----	----	A	0.65

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	6438.05	
LESS NON CSG. ITEMS	15.25	
PLUS FULL JTS. LEFT OUT	159.15	4
TOTAL	6581.95	4
TOTAL CSG. DEL. (W/O THRDS)	6581.95	167
TIMING		
BEGIN RUN CSG. Spud	10:30 AM	7/14/2009
CSG. IN HOLE	2:00 PM	7/14/2009
BEGIN CIRC	2:20 PM	7/14/2009
BEGIN PUMP CMT	3:35 PM	7/14/2009
BEGIN DSPL. CMT	4:25 PM	7/14/2009
PLUG DOWN	**4:45 PM**	**7/14/2009**

TOTAL LENGTH OF STRING	6438.05
LESS CUT OFF PIECE	14
PLUS DATUM TO T/CUT OFF CSG	12
CASING SET DEPTH	**6,436.05**

} COMPARE

GOOD CIRC THRU JOB Yes
Bbls CMT CIRC TO SURFACE 12
RECIPROCATED PIPI Yes

BUMPED PLUG TO 2213

CEMENT USED		CEMENT COMPANY- BJ
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	250	PL II +3% KCL + 5#CSE +0.5#CF+2#KOL+.5SMS+FP+SF Mixed @11 ppg
		with 3.53.cf/sk yield
2	425	50;50;2 +3%KCL+0.5%EC-1+.25#CF+.05#SF+.3SMS+FP-6L Mixed @ 14.4 ppg
		with 1.24 cf/sk yield
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING
Middle 1st Top Of 2nd &3rd Then Top Of Every 3rd For Total Of 20		

COMPANY REPRESENTATIVE **Don Bastian** DATE **7/14/2009**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:	USA UTU-76241
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME:	GREATER BOUNDARY II
1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER	8. WELL NAME and NUMBER: GRTR BNDRY II T-28-8-17
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 4301334095
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721	10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL: FOOTAGES AT SURFACE:	COUNTY: DUCHESNE
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: , 28, T8S, R17E	STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARITLY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLAIR
☒ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of Work Completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/STOP)	☐ WATER SHUT-OFF
09/08/2009	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☒ OTHER: - Weekly Status Report
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 08/06/09, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park TITLE Production Clerk

SIGNATURE DATE 09/08/2009

(This space for State use only)

RECEIVED
SEP 09 2009
DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

GRTR BNDRY II T-28-8-17

6/1/2009 To 10/30/2009

7/24/2009 Day: 1 **Completion**

Rigless on 7/24/2009 - Ran CBL & shot 1st stage. - Install 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6345' & cement top @ 42'. Perforate stage #1, CP5 sds @ 6324-28' & 6293-96" w/ 3-1/8" Slick Guns (19 gram, .49"EH. 120°) w/ 3 spf for total of 30 shots. 152 BWTR. SWIFN.
Daily Cost: $0
Cumulative Cost: $11,214

7/29/2009 Day: 2 **Completion**

Rigless on 7/29/2009 - Frac'd stage 1 & 2. Perforate stage 3. Would not breakdown. Sanded off. Flowback well. - Stage #2 CP1, 2 & 3 sands. RU PSI WLT, Crane & lubricator. RIH w/ weatherford 5 1/2" composite flow through plug, 3', 3', 2' & 2' perf guns. Set plug @ 6190'. Perforate CP3 sds @ 6107- 10', CP2 sds @ 6049- 52', CP1 sds @ 6012- 14', 5998- 6000' w/ 3 1/8" slickguns (TAG-3375-311SL, 16 grams, 0.34 EH, 21" pen, 120° phasing) @ 3 SPF for a total of 30 holes. RU Bj services. 1873 psi on well. Breakdown @ 3583 psi @ 3.4 BPM. No ISIP, 1 min or 4 min due to low psi. Pumped 780 gals of fresh wtr w/ Techni-hib 767W. Frac CP1, 2 &3 w/ 60,883#'s of 20/40 white sand in 564 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3550 psi @ ave rate of 24 BPM. ISDP 1650 psi. FG .71. 5 min 1516 psi, 10 min 1451 psi, 15 min 1436 psi. Leave pressure on well. 1034 BWTR. - Stage #1 CP5 sands. MIRU Bj services. 30 psi on well. Breakdown @ 3608 psi @ 3.2 BPM. ISIP 2036 psi, 1 min 1826 psi, 4 min 1707 psi. FG .76. Pumped 780 gals of fresh wtr w/ Techni-hib 767W. Frac CP5 w/ 14,712#'s of 20/40 white sand in 318 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2550 psi @ ave rate of 26.8 BPM. ISDP 2244 psi. FG .79. 5 min 2044 psi, 10 min 1973 psi, 15 min 1926 psi. Leave pressure on well. 470 BWTR. - Stage #3 LODC sands. RU PSI WLT, Crane & lubricator. RIH w/ weatherford 5 1/2" composite flow through plug & 10' perf guns. Set plug @ 5840'. Perforate LODC sds @ 5762- 72' w/ 3 1/8" slickguns (TAG-3375-311SL, 16 grams, 0.34 EH, 21" pen, 120° phasing) @ 3 SPF for a total of 30 holes. Had trouble w/ WL, Had to surge well back after setting plug. RU Bj services. 1368 psi on well. Pressure up to 4200 psi, would not breakdown. RU WL & dump bail acid. Tagged sand @ 5759'. RU BJ services. 1267 psi on well. Pressured up to 4200 psi, Would not breakdown. RU WL & dump bail acid. Tagged sand @ 5668'. RD WL. Begin flowback on 20/64 choke @ 3 BPM. Flowed for 2 1/2 hrs & died. Rec 360 BTF. SIWFN w/ 360 BWTR.
Daily Cost: $0
Cumulative Cost: $24,489

7/31/2009 Day: 3 **Completion**

Rigless on 7/31/2009 - Frac remaining stages. Flowback well. - Stage #5 D1 & D2 sands. RU PSI WLT, Crane & lubricator. RIH w/ weatherford 5 1/2" composite flow through plug, 4', 4' & 2' perf guns. Set plug @ 5280'. Perforate D2 sds @ 5207- 11', 5195- 99', D1 sds @ 5118- 20' w/ 3 1/8" slickguns (TAG-3375-311SL, 16 grams, 0.34 EH, 21" pen, 120° phasing) @ 3 SPF for a total of 30 holes. RU Bj services. 1364 psi on well. Breakdown @ 3038 psi @ 3.5 BPM. No ISIP, 1 min or 4 min due to low psi. Pumped 780 gals of fresh wtr w/ Techni-hib 767W. Frac D1 & D2 w/ 70,750#'s of 20/40 white sand in 582 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2253 psi @ ave rate of 37.2 BPM. ISDP 2050 psi. FG .83. 5 min 1879 psi, 10

min 1772 psi, 15 min 1693 psi. Leave pressure on well. 2838 BWTR. - Stage #4 LODC, A3, A1 & A.5 sands. RU PSI WLT, Crane & lubricator. RIH w/ weatherford 5 1/2" composite flow through plug, 3', 3', 3' & 2' perf guns. Tagged sand @ 5636'. POH w/ plug & guns. RU flowback line. Flowback well. Flowed for 2 hrs & died. Rec 170 BTF. RU WL & RIH. Set plug @ 5730'. Perforate LODC sds @ 5677- 80', A3 sds @ 5622- 25', A1 sds @ 5571- 74', A.5 sds @ 5544- 46' w/ 3 1/8" slickguns (TAG-3375-311SL, 16 grams, 0.34 EH, 21" pen, 120° phasing) @ 3 SPF for a total of 33 holes. RU Bj services. 188 psi on well. Pressured up to 4200 psi, Would not breakdown. RU WL & dump bail acid. 917 psi on well. Breakdown @ 3506 psi @ 3 BPM. No ISIP, 1 min or 4 min. Spearhead 504 gals of 15% HCL. Pumped 780 gals of fresh wtr w/ Techni-hib 767W. Frac LODC, A3, A1 & A.5 w/ 71,159#'s of 20/40 white sand in 673 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2883 psi @ ave rate of 41.6 BPM. ISDP 1839 psi. FG .76. 5 min 1684 psi, 10 min 1601 psi, 15 min 1550 psi. Leave pressure on well. 2256 BWTR. - Stage #3 LODC. RU Bj services. 728 psi on well. Breakdown @ 3464 psi @ 6 BPM. No ISIP, 1 min or 4 min due to low psi. Pumped 780 gals of fresh wtr w/ Techni-hib 767W. Frac LODC w/ 79,787#'s of 20/40 white sand in 719 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3282 psi @ ave rate of 35.2 BPM. ISDP 3359 psi. FG 1.02. 5 min 3051 psi, 10 min 2945 psi, 15 min 2855 psi. Leave pressure on well. 1753 BWTR. - Stage #6 PB8 sands. RU PSI WLT, Crane & lubricator. RIH w/ weatherford 5 1/2" composite flow through plug & 7' perf guns. Set plug @ 4890'. Perforate PB8 sds @ 4792- 99' w/ 3 1/8" slickguns (TAG-3375-311SL, 16 grams, 0.34 EH, 21" pen, 120° phasing) @ 3 SPF for a total of 21 holes. RU Bj services. 1296 psi on well. Breakdown @ 2783 psi @ 4.3 BPM. ISIP 1909 psi. FG .83. 1 min 1590 psi, 4 min 1277 psi. Pumped 780 gals of fresh wtr w/ Techni-hib 767W. Frac PB8 w/ 11,498#'s of 20/40 white sand in 258 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2852 psi @ ave rate of 26.7 BPM. ISDP 2241 psi. FG .90. 5 min 2037 psi, 10 min 1970 psi, 15 min 1941 psi. Begin flowback on 20/64 choke @ 3 BPM. Flowed for 4 1/2 hrs & died. Rec 689 BTF. SIWFN w/ 2407 BWTR.

Daily Cost: $0

Cumulative Cost: $173,635

8/4/2009 Day: 5 **Completion**

Nabors #823 on 8/4/2009 - Drill out remaining 5 CBP's. C/O to PBTD. Swab. - MIRU Nabors 823. 400 psi on well. Bleed off well to flat tank. Well would not died (oil & gas). MIRU Perforators LLC WLT & lubricator. RIH w/ Weatherford 5 1/2" solid composite bridge plug. Set kill plug @ 4770'. RD WL. Bleed off pressure. ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Talley, PU & RIH w/ 4 3/4" chomp bit, Bit sub & 2 7/8" J-55 tbg. Tagged kill plug @ 4770'. RU Nabors power swivel. Drill out plug in 15 mins. Circulate well clean. SIWFN w/ 2352 BWTR. - MIRU Nabors 823. 400 psi on well. Bleed off well to flat tank. Well would not died (oil & gas). MIRU Perforators LLC WLT & lubricator. RIH w/ Weatherford 5 1/2" solid composite bridge plug. Set kill plug @ 4770'. RD WL. Bleed off pressure. ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Talley, PU & RIH w/ 4 3/4" chomp bit, Bit sub & 2 7/8" J-55 tbg. Tagged kill plug @ 4770'. RU Nabors power swivel. Drill out plug in 15 mins. Circulate well clean. SIWFN w/ 2352 BWTR. - 250 psi on well. Bleed off pressure. Continue to PU & RIH w/ tbg. Tagged plug @ 4890'. Drill out plugs & circulate sand as follows: Plug @ 4890' (Drilled out in 20 mins), Sand @ 5260', Plug @ 5280' (Drilled up in 24 mins), Plug @ 5730' (Drilled up in 30 mins), Sand @ 5810', Plug @ 5840' (Drilled out in 18 mins), Sand @ 6145', Plug @ 6190' (Drilled up in 12 mins), Sand @ 6320'. C/O to PBTD @ 6395'. RD Nabors power swivel. POH w/ 5 jts of tbg. EOT @ 6250'. RU swab equipment. Made 13 runs. Rec 125 BTF. FFL @ 500'. Trace of oil, No sand. RD swab equipment. RIH w/ 5 jts of tbg. Tagged PBTD @ 6395'. LD 4 jts of tbg. EOT @ 6281'. SIWFN w/ 2372 BWTR. - 250 psi on well. Bleed off pressure. Continue to PU & RIH w/ tbg. Tagged plug @ 4890'. Drill out plugs & circulate sand as follows: Plug @ 4890' (Drilled out in 20 mins), Sand @ 5260', Plug @ 5280' (Drilled up in 24 mins), Plug @ 5730' (Drilled up in 30 mins), Sand @ 5810', Plug @ 5840' (Drilled out in 18 mins), Sand @ 6145', Plug @ 6190' (Drilled up in 12 mins), Sand @ 6320'. C/O to PBTD @ 6395'. RD Nabors power swivel. POH w/ 5 jts of tbg. EOT @ 6250'. RU swab equipment. Made 13 runs.

Rec 125 BTF. FFL @ 500'. Trace of oil, No sand. RD swab equipment. RIH w/ 5 jts of tbg. Tagged PBTD @ 6395'. LD 4 jts of tbg. EOT @ 6281'. SIWFN w/ 2372 BWTR.
Daily Cost: $0
Cumulative Cost: $189,781

8/6/2009 Day: 7 **Completion**

Nabors #823 on 8/6/2009 - Fix horse head. Hang head, Space out rods. RDMOSU. POP @ 10:30 AM w/ 144" SL @ 4 SPM. 2414 BWTR. FINAL REPORT!! - 250 psi on tbg, 400 psi on csg. Circulate well clean w/ 160 bbls of wtr. TOH w/ 199 jts of tbg. LD bit & bit sub. PU & RIH w/ production tbg as follows: Bull plug & collar, 3- jts of tbg, 2 7/8" nipple, PBGA, 1- jt tbg, SN, 1- jt, TA, 194- jts of tbg. ND BOP. Set TA w/ 18,000#'s of tension. NU WH. Flush tbg w/ 60 bbls of wtr. Prime up & PU new rod pump. PU & RIH w/ rods as follows: "Central hydrualic" 2 1/2" X 1 3/4" X 24' RHAC, 4- 1 1/2" wt bars, 241- 7/8" guided (8 per), 1-4', 1-6', 1-8' X 7/8" ponies, 1 1/2" X 30' polish rod. Pressure test w/ rig to 800 psi. Hang head. Alignment bolts on horse head were broke. Will fix in AM & POP. SIWFN w/ 2414. - 250 psi on tbg, 400 psi on csg. Circulate well clean w/ 160 bbls of wtr. TOH w/ 199 jts of tbg. LD bit & bit sub. PU & RIH w/ production tbg as follows: Bull plug & collar, 3- jts of tbg, 2 7/8" nipple, PBGA, 1- jt tbg, SN, 1- jt, TA, 194- jts of tbg. ND BOP. Set TA w/ 18,000#'s of tension. NU WH. Flush tbg w/ 60 bbls of wtr. Prime up & PU new rod pump. PU & RIH w/ rods as follows: "Central hydrualic" 2 1/2" X 1 3/4" X 24' RHAC, 4- 1 1/2" wt bars, 241- 7/8" guided (8 per), 1-4', 1-6', 1-8' X 7/8" ponies, 1 1/2" X 30' polish rod. Pressure test w/ rig to 800 psi. Hang head. Alignment bolts on horse head were broke. Will fix in AM & POP. SIWFN w/ 2414. - Clean up rig equipment while welders repaired horsehead. RU horsehead. Space out rods. Pressure test w/ unit to 800 psi. RDMOSU. POP @ 10:30 AM w/ 144" SL @ 4 SPM. 2414 BWTR. FINAL REPORT!!! - Clean up rig equipment while welders repaired horsehead. RU horsehead. Space out rods. Pressure test w/ unit to 800 psi. RDMOSU. POP @ 10:30 AM w/ 144" SL @ 4 SPM. 2414 BWTR. FINAL REPORT!!! **Finalized**
Daily Cost: $0
Cumulative Cost: $240,485

Pertinent Files: Go to File List

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: UTU-76241

1a. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: _____

6. If Indian, Allottee or Tribe Name: NA

7. Unit or CA Agreement Name and No.: GREATER BOUNDARY II

2. Name of Operator: NEWFIELD EXPLORATION COMPANY

8. Lease Name and Well No.: GB FEDERAL T-28-8-17

3. Address: 1401 17TH ST. SUITE 1000 DENVER, CO 80202

3a. Phone No. *(include area code)*: (435)646-3721

9. AFI Well No.: 43-013-34095

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface 2083' FSL & 685' FEL (NE/SE) SEC. 28, T8S, R17E

10. Field and Pool or Exploratory: MONUMENT BUTTE

11. Sec., T., R., M., on Block and Survey or Area: SEC. 28, T8S, R17E

At top prod. interval reported below BHL: 1337' FSL & 126' FWL (NW/SW)

At total depth 6455' 571 FSL 1908 FWL SESW S-28 T8S R17E

12. County or Parish: DUCHESNE

13. State: UT

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
06/16/2009	07/15/2009	☐ D & A ☑ Ready to Prod. 08/06/2009	5191' GL 5203' KB

18. Total Depth:	19. Plug Back T.D.:	20. Depth Bridge Plug Set:
MD 6455' TVD 6346'	MD 6395' TVD 6287'	MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#		320'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#		6436'		250 PRIMLITE		42'	
						425 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 6297'	TA @ 6131'						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER			(CP5)6324-28, 6293-96'	.49"	3	30
B) GREEN RIVER			(CP3) (CP2)(CP1)see belo	.21"	3	30
C) GREEN RIVER			(LODC) 5762-5772'	.21"	3	30
D) GREEN RIVER			(LODC)(A3,1,5)see below	.21"	3	33

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
6293-6328'	Frac CP5 w/ 14,712#'s of 20/40 white sand in 318 bbls of Lightning 17 fluid.
5998-6052'	Frac CP1, 2 &3 w/ 60,883#'s of 20/40 white sand in 564 bbls of Lightning 17 fluid.
5762-5772'	Frac LODC w/ 79,787#'s of 20/40 white sand in 719 bbls of Lightning 17 fluid
5544-5680'	Frac LODC, A3, A1 & A.5 w/ 71,159#'s of 20/40 white sand in 673 bbls of Lightning 17 fluid.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
08/06/09	08/19/08	24	→	96	71	15			"Central hydraulics" 2 1/2" X 1 3/4" X 21 X 24' RHAC

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

RECEIVED
OCT 14 2009
DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

Formation	Top	Bottom	Descriptions, Contents, etc.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Name	Top Meas. Depth
GARDEN GULCH MRK	4095'
GARDEN GULCH 1	4284'
GARDEN GULCH 2	4408'
POINT 3	4677'
X MRKR	4916'
Y MRKR	4953'
DOUGALS CREEK MRK	5086'
BI CARBONATE MRK	5335'
B LIMESTON MRK	5492'
CASTLE PEAK	5946'
BASAL CARBONATE	6372'
TOTAL DEPTH (LOGGERS)	6449'

32. Additional remarks (include plugging procedure):

Stage 2: Perforate CP3 sds @ 6107- 10', CP2 sds @ 6049- 52', CP1 sds @ 6012- 14', 5998- 6000' w/ 3 1/8" slickguns (TAG-3375-311SL, 16 grams, 0.34 EH, 21" pen, 120° phasing) @ 3 SPF for a total of 30 holes.
Stage 4: Perforate LODC sds @ 5677- 80', A3 sds @ 5622- 25', A1 sds @ 5571- 74', A.5 sds @ 5544- 46' w/ 3 1/8" slickguns (TAG-3375-311SL, 16 grams, 0.34 EH, 21" pen, 120° phasing) @ 3 SPF for a total of 33 holes.
Stage #5: Perforate D2 sds @ 5207- 11', 5195- 99', D1 sds @ 5118- 20' w/ 3 1/8" slickguns (TAG-3375-311SL, 16 grams, 0.34 EH, 21" pen, 120° phasing) @ 3 SPF for a total of 30 holes. Frac D1 & D2 w/ 70,750#'s of 20/40 white sand in 582 bbls of Lightning 17 fluid.
Stage #6: Perforate PB8 sds @ 4792- 99' w/ 3 1/8" slickguns (TAG-3375-311SL, 16 grams, 0.34 EH, 21" pen, 120° phasing) @ 3 SPF for a total of 21 holes. Frac PB8 w/ 11,498#'s of 20/40 white sand in 258 bbls of Lightning 17 fluid.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☑ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Tammi Lee Title Production Clerk

Signature Tammi Lee Date 10/07/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

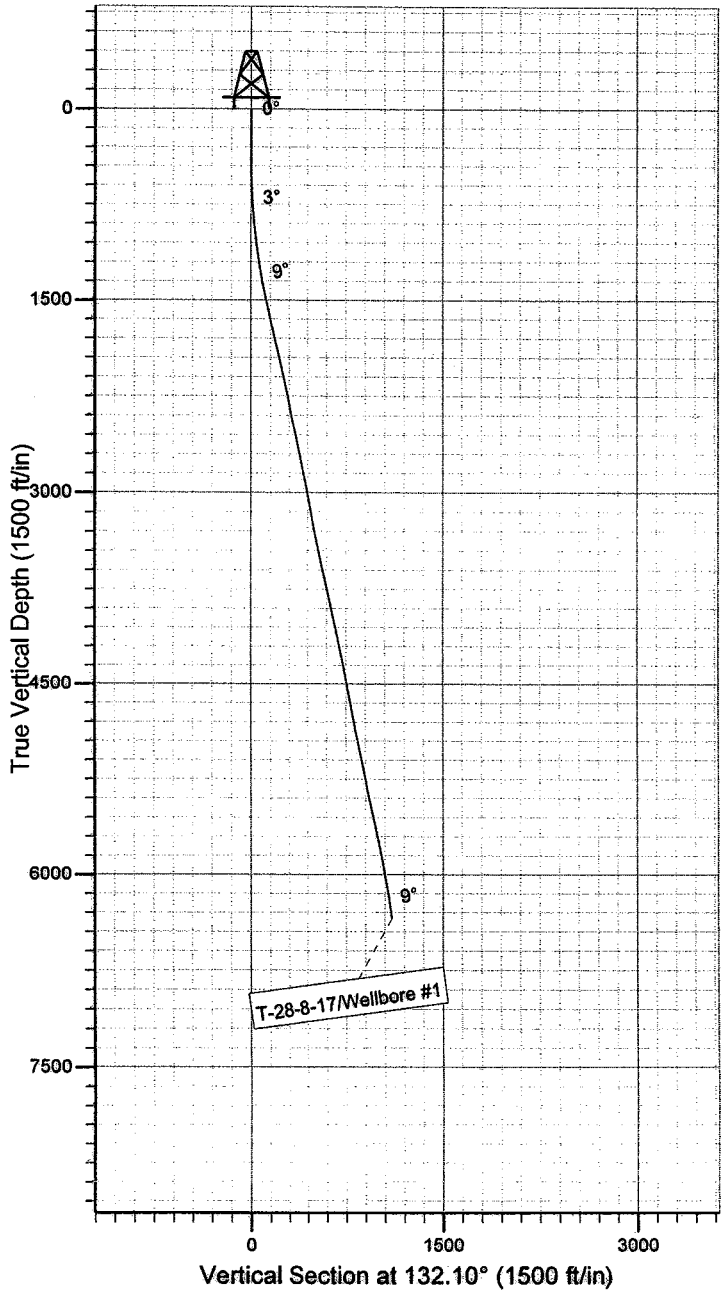
NEWFIELD

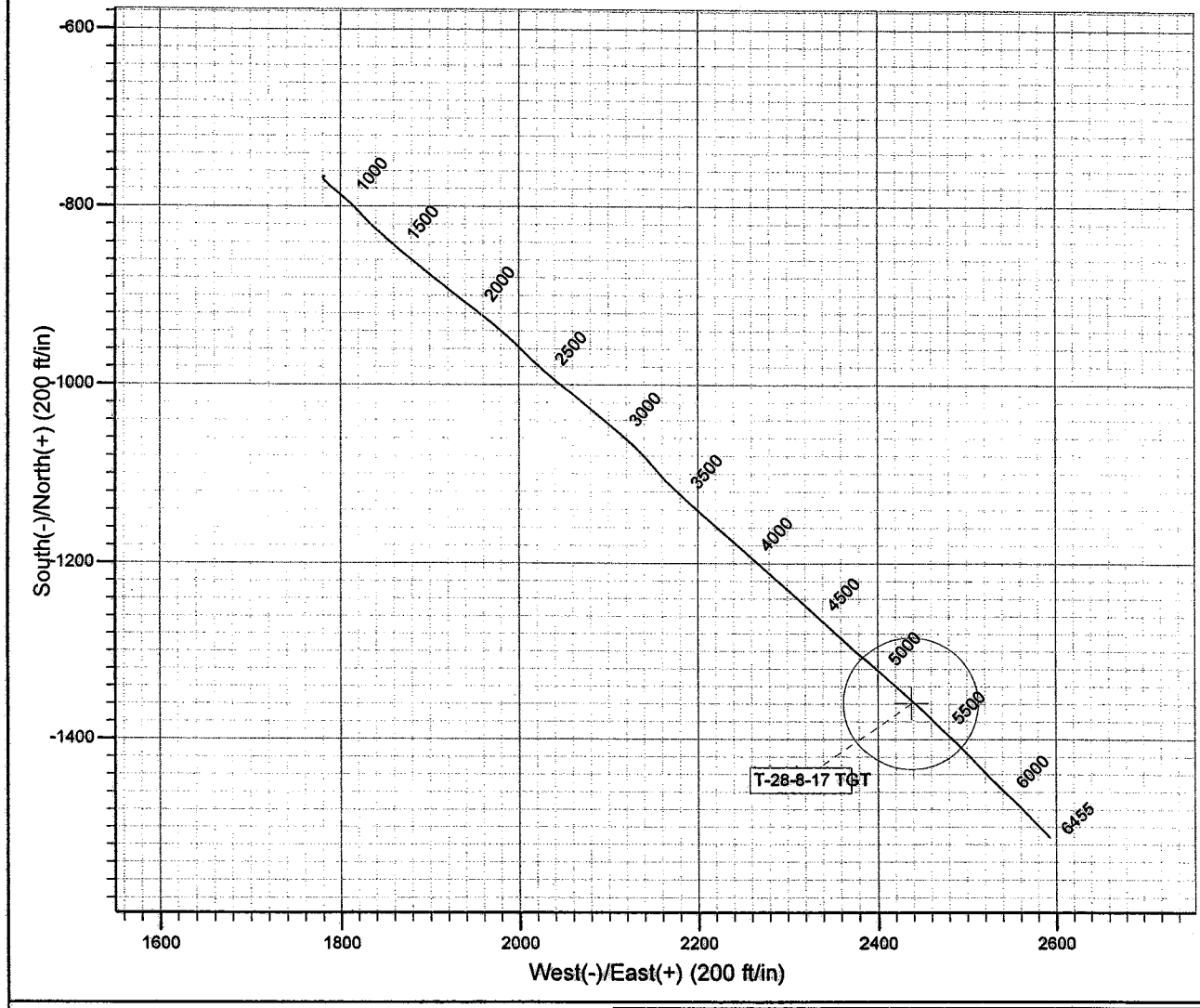
Project: USGS Myton SW (UT)
Site: SECTION 28
Well: T-28-8-17
Wellbore: Wellbore #1
SURVEY: Wellbore #1

FINAL SURVEY REPORT

Azimuths to True North
Magnetic North: 11.64°

Magnetic Field
Strength: 52607.2snT
Dip Angle: 65.92°
Date: 2008/08/26
Model: IGRF200510





HATHAWAY HB BURNHAM
DIRECTIONAL & MWD SERVICES

Design: Wellbore #1 (T-28-8-17/Wellbore #1)

Created By: *Jim Hudson* Date: 8:10, July 21 2009

THIS SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.

NEWFIELD

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 28
T-28-8-17

Wellbore #1

Design: Wellbore #1

Standard Survey Report

21 July, 2009

HATHAWAY HB BURNHAM
DIRECTIONAL & MWD SERVICES

NEWFIELD

HATHAWAY BURNHAM
Survey Report

HATHAWAY BURNHAM
DIRECTIONAL & MWD SERVICES

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Site SECTION 28
Project:	USGS Myton SW (UT)	**TVD Reference:**	T-28-8-17 @ 5203.0ft
Site:	SECTION 28	**MD Reference:**	T-28-8-17 @ 5203.0ft
Well:	T-28-8-17	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 2003.21 Single User Db

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		Using geodetic scale factor

Site	SECTION 28, SEC 28 T8S, R17E				
Site Position:		**Northing:**	7,204,800.00 ft	**Latitude:**	40° 5' 22.277 N
From:	Lat/Long	**Easting:**	2,057,000.00 ft	**Longitude:**	110° 0' 39.302 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.95 °

Well	T-28-8-17, SHL LAT: 40 05 14.70, LONG: -110 0 16.38					
Well Position	**+N/-S**	-766.7 ft	**Northing:**	7,204,063.15 ft	**Latitude:**	40° 5' 14.700 N
	+E/-W	1,781.6 ft	**Easting:**	2,058,793.91 ft	**Longitude:**	110° 0' 16.380 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	0.0 ft

Wellbore Wellbore #1

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF200510	2008/08/26	11.64	65.92	52,607

Design Wellbore #1

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**
	0.0	-766.7	1,781.6	132.10

Survey Program **Date** 2009/07/21

From (ft)	**To (ft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
388.0	6,455.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	-766.7	1,781.6	0.0	0.00	0.00	0.00
388.0	0.45	272.37	388.0	-766.6	1,780.0	-1.2	0.12	0.12	0.00
419.0	0.64	248.22	419.0	-766.7	1,779.8	-1.3	0.95	0.61	-77.90
449.0	0.55	218.31	449.0	-766.8	1,779.5	-1.4	1.06	-0.30	-99.70
479.0	0.92	177.99	479.0	-767.2	1,779.4	-1.2	2.05	1.23	-134.40
510.0	1.21	156.37	510.0	-767.8	1,779.6	-0.8	1.58	0.94	-69.74
540.0	1.71	152.35	540.0	-768.4	1,779.9	0.0	1.70	1.67	-13.40
570.0	2.26	140.09	570.0	-769.3	1,780.5	1.0	2.31	1.83	-40.87
601.0	2.77	140.60	600.9	-770.3	1,781.4	2.3	1.65	1.65	1.65
631.0	2.61	141.45	630.9	-771.4	1,782.2	3.7	0.55	-0.53	2.83
661.0	2.90	139.52	660.9	-772.5	1,783.2	5.1	1.01	0.97	-6.43
691.0	3.27	134.77	690.8	-773.7	1,784.3	6.7	1.50	1.23	-15.83
722.0	3.67	133.04	721.8	-775.0	1,785.6	8.6	1.33	1.29	-5.58

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Site SECTION 28
Project:	USGS Myton SW (UT)	**TVD Reference:**	T-28-8-17 @ 5203.0ft
Site:	SECTION 28	**MD Reference:**	T-28-8-17 @ 5203.0ft
Well:	T-28-8-17	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
752.0	4.31	132.80	751.7	-776.4	1,787.1	10.7	2.13	2.13	-0.80
782.0	4.61	129.96	781.6	-778.0	1,788.9	13.0	1.24	1.00	-9.47
812.0	4.83	128.07	811.5	-779.5	1,790.8	15.5	0.90	0.73	-6.30
842.0	5.12	130.23	841.4	-781.2	1,792.8	18.1	1.15	0.97	7.20
873.0	5.23	127.81	872.3	-782.9	1,795.0	20.9	0.79	0.35	-7.81
904.0	5.69	127.66	903.1	-784.7	1,797.3	23.8	1.48	1.48	-0.48
936.0	5.87	129.72	935.0	-786.8	1,799.9	27.0	0.86	0.56	6.44
967.0	6.37	129.48	965.8	-788.9	1,802.4	30.3	1.62	1.61	-0.77
999.0	6.78	129.69	997.6	-791.2	1,805.2	34.0	1.28	1.28	0.66
1,031.0	7.07	130.91	1,029.3	-793.7	1,808.2	37.9	1.02	0.91	3.81
1,062.0	7.19	131.98	1,060.1	-796.2	1,811.1	41.7	0.58	0.39	3.45
1,093.0	7.32	135.94	1,090.8	-799.0	1,813.9	45.6	1.67	0.42	12.77
1,126.0	7.95	138.42	1,123.6	-802.2	1,816.8	50.0	2.15	1.91	7.52
1,157.0	8.28	137.57	1,154.2	-805.4	1,819.8	54.3	1.13	1.06	-2.74
1,189.0	8.24	137.98	1,185.9	-808.8	1,822.9	58.9	0.22	-0.13	1.28
1,220.0	8.52	136.76	1,216.6	-812.2	1,825.9	63.4	1.07	0.90	-3.94
1,252.0	8.75	134.45	1,248.2	-815.6	1,829.3	68.2	1.30	0.72	-7.22
1,282.0	9.27	131.28	1,277.8	-818.8	1,832.7	72.9	2.40	1.73	-10.57
1,315.0	9.56	132.05	1,310.4	-822.4	1,836.8	78.3	0.96	0.88	2.33
1,347.0	10.13	132.49	1,341.9	-826.0	1,840.8	83.8	1.80	1.78	1.38
1,378.0	10.37	132.29	1,372.4	-829.8	1,844.9	89.3	0.78	0.77	-0.65
1,410.0	10.77	132.22	1,403.9	-833.7	1,849.2	95.1	1.25	1.25	-0.22
1,441.0	11.01	132.07	1,434.3	-837.6	1,853.6	101.0	0.78	0.77	-0.48
1,536.0	11.93	129.08	1,527.4	-849.9	1,867.9	119.9	1.15	0.97	-3.15
1,632.0	12.92	130.31	1,621.2	-863.1	1,883.8	140.5	1.07	1.03	1.28
1,727.0	13.54	129.81	1,713.7	-877.1	1,900.5	162.2	0.66	0.65	-0.53
1,822.0	13.59	127.77	1,806.0	-891.1	1,917.8	184.5	0.51	0.05	-2.15
1,917.0	12.92	127.00	1,898.5	-904.3	1,935.1	206.2	0.73	-0.71	-0.81
2,012.0	12.61	127.14	1,991.1	-916.9	1,951.9	227.1	0.33	-0.33	0.15
2,107.0	12.41	130.44	2,083.9	-929.8	1,967.9	247.6	0.78	-0.21	3.47
2,202.0	11.80	129.81	2,176.8	-942.7	1,983.1	267.6	0.66	-0.64	-0.66
2,297.0	11.87	135.10	2,269.8	-955.8	1,997.5	287.0	1.14	0.07	5.57
2,393.0	12.06	134.80	2,363.7	-969.9	2,011.6	306.9	0.21	0.20	-0.31
2,488.0	12.26	131.30	2,456.5	-983.5	2,026.2	326.9	0.80	0.21	-3.68
2,583.0	12.72	128.64	2,549.3	-996.7	2,042.0	347.4	0.78	0.48	-2.80
2,678.0	12.44	127.52	2,642.0	-1,009.5	2,058.2	368.1	0.39	-0.29	-1.18
2,772.0	12.79	130.69	2,733.7	-1,022.4	2,074.2	388.6	0.83	0.37	3.37
2,867.0	12.30	130.34	2,826.5	-1,035.8	2,089.8	409.2	0.52	-0.52	-0.37
2,963.0	12.52	129.81	2,920.2	-1,049.1	2,105.6	429.8	0.26	0.23	-0.55
3,058.0	10.49	130.84	3,013.3	-1,061.4	2,120.1	448.7	2.15	-2.14	1.08
3,153.0	10.22	133.65	3,106.8	-1,072.8	2,132.7	465.8	0.60	-0.28	2.96
3,248.0	11.69	140.39	3,200.0	-1,086.1	2,145.0	483.8	2.05	1.55	7.09
3,343.0	11.38	138.95	3,293.1	-1,100.5	2,157.3	502.6	0.45	-0.33	-1.52
3,438.0	11.95	134.27	3,386.2	-1,114.5	2,170.4	521.7	1.16	0.60	-4.93
3,533.0	12.04	129.17	3,479.1	-1,127.6	2,185.2	541.4	1.12	0.09	-5.37
3,628.0	12.04	133.94	3,572.0	-1,140.7	2,200.0	561.2	1.05	0.00	5.02
3,723.0	12.02	130.42	3,664.9	-1,154.0	2,214.7	581.0	0.77	-0.02	-3.71
3,818.0	11.87	130.23	3,757.9	-1,166.7	2,229.6	600.7	0.16	-0.16	-0.20
3,913.0	12.00	132.67	3,850.8	-1,179.7	2,244.4	620.3	0.55	0.14	2.57
4,009.0	12.35	132.23	3,944.6	-1,193.4	2,259.3	640.6	0.38	0.36	-0.46
4,104.0	12.13	131.41	4,037.5	-1,206.8	2,274.3	660.7	0.30	-0.23	-0.86
4,199.0	11.60	130.86	4,130.5	-1,219.7	2,289.0	680.2	0.57	-0.56	-0.58
4,294.0	11.27	132.34	4,223.6	-1,232.2	2,303.1	699.1	0.46	-0.35	1.56
4,389.0	11.23	132.23	4,316.7	-1,244.7	2,316.8	717.6	0.05	-0.04	-0.12

NEWFIELD

HATHAWAY BURNHAM

Survey Report

HATHAWAY BURNHAM
DIRECTIONAL & MWD SERVICES

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Site SECTION 28
Project:	USGS Myton SW (UT)	**TVD Reference:**	T-28-8-17 @ 5203.0ft
Site:	SECTION 28	**MD Reference:**	T-28-8-17 @ 5203.0ft
Well:	T-28-8-17	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,483.0	10.98	133.71	4,409.0	-1,257.0	2,330.1	735.7	0.40	-0.27	1.57
4,578.0	10.50	132.75	4,502.3	-1,269.1	2,343.0	753.4	0.54	-0.51	-1.01
4,674.0	10.46	131.85	4,596.7	-1,280.9	2,355.9	770.9	0.18	-0.04	-0.94
4,769.0	10.28	135.17	4,690.2	-1,292.6	2,368.3	788.0	0.66	-0.19	3.49
4,863.0	11.10	132.40	4,782.5	-1,304.7	2,380.9	805.4	1.03	0.87	-2.95
4,958.0	10.83	131.41	4,875.8	-1,316.8	2,394.3	823.4	0.35	-0.28	-1.04
5,053.0	11.07	132.05	4,969.1	-1,328.8	2,407.8	841.5	0.28	0.25	0.67
5,149.0	11.18	131.06	5,063.3	-1,341.1	2,421.7	860.0	0.23	0.11	-1.03
5,244.0	11.47	133.04	5,156.4	-1,353.6	2,435.5	878.7	0.51	0.31	2.08
5,339.0	11.07	133.24	5,249.6	-1,366.3	2,449.0	897.2	0.42	-0.42	0.21
5,386.0	10.95	134.26	5,295.7	-1,372.5	2,455.5	906.2	0.49	-0.26	2.18
T-28-8-17 TGT									
5,433.0	10.83	135.31	5,341.9	-1,378.7	2,461.8	915.1	0.49	-0.25	2.23
5,528.0	11.62	134.16	5,435.1	-1,391.7	2,475.0	933.5	0.86	0.83	-1.21
5,624.0	12.35	133.30	5,529.0	-1,405.5	2,489.4	953.5	0.78	0.76	-0.90
5,719.0	12.70	137.61	5,621.7	-1,420.2	2,503.8	974.0	1.05	0.37	4.54
5,814.0	12.74	137.17	5,714.4	-1,435.6	2,518.0	994.8	0.11	0.04	-0.46
5,909.0	10.52	134.93	5,807.4	-1,449.4	2,531.2	1,013.9	2.38	-2.34	-2.36
6,004.0	9.91	134.01	5,900.9	-1,461.2	2,543.3	1,030.8	0.66	-0.64	-0.97
6,099.0	9.60	135.15	5,994.5	-1,472.5	2,554.7	1,046.9	0.38	-0.33	1.20
6,195.0	9.60	135.41	6,089.2	-1,483.9	2,566.0	1,062.8	0.05	0.00	0.27
6,290.0	8.80	136.73	6,183.0	-1,494.8	2,576.5	1,078.0	0.87	-0.84	1.39
6,395.0	8.06	137.28	6,286.8	-1,506.1	2,587.0	1,093.3	0.71	-0.70	0.52
6,455.0	7.80	137.50	6,346.3	-1,512.1	2,592.6	1,101.6	0.44	-0.43	0.37

Wellbore Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
T-28-8-17 TGT	0.00	0.00	5,300.0	-1,359.2	2,437.4	7,203,481.69	2,059,459.48	40° 5' 8.844 N	110° 0' 7.943 W
- actual wellpath misses by 22.9ft at 5385.9ft MD (5295.7 TVD, -1372.5 N, 2455.5 E)									
- Circle (radius 75.0)									

Checked By: _____ Approved By: _____ Date: _____

H HEADER INFORMATION ----------

H COMPANY : NEWFIELD EXPLORATION

H FIELD : USGS Myton SW (UT)

H SITE : SECTION 28

H WELL : T-28-8-17

H WELLPATH Wellbore #1

H DEPTHUNT ft

H SURVDATE 7/21/2009

H DECLINATI(CORR.

H = 10.68 TO GRIDH----------

H WELL INFORMATION

H WELL EW MAP : 2058794

H WELL NS MAP : 7204063

H DATUM ELEVN : 5203

H VSECT ANGLE : 132.1

H VSECT NORTH : -766.68

H VSECT EAST : 1781.56

H----------

H SURVEY TYPE INFORMATION

H 388 - 6455 SURVEY #1 : MWD

H----------

H SURVEY LIST

MD	INC	AZI	TVD	NS	EW	VS	DLS
0	0	0	0	-766.68	1781.56	0	0
388	0.45	272.37	388	-766.61	1780.04	-1.17	0.12
419	0.64	248.22	418.99	-766.67	1779.76	-1.34	0.95
449	0.55	218.31	448.99	-766.85	1779.51	-1.41	1.06
479	0.92	177.99	478.99	-767.2	1779.43	-1.23	2.05
510	1.21	156.37	509.99	-767.75	1779.57	-0.76	1.58
540	1.71	152.35	539.98	-768.44	1779.91	-0.05	1.7
570	2.26	140.09	569.96	-769.29	1780.5	0.96	2.31
601	2.77	140.6	600.93	-770.34	1781.36	2.3	1.65
631	2.61	141.45	630.89	-771.43	1782.25	3.69	0.55
661	2.9	139.52	660.86	-772.54	1783.17	5.12	1.01
691	3.27	134.77	690.82	-773.72	1784.27	6.73	1.5
722	3.67	133.04	721.76	-775.02	1785.62	8.6	1.33
752	4.31	132.8	751.69	-776.44	1787.15	10.69	2.13
782	4.61	129.96	781.6	-777.98	1788.9	13.02	1.24
812	4.83	128.07	811.49	-779.54	1790.82	15.49	0.9
842	5.12	130.23	841.38	-781.18	1792.84	18.08	1.15
873	5.23	127.81	872.25	-782.94	1795.01	20.88	0.79
904	5.69	127.66	903.11	-784.74	1797.34	23.82	1.48
936	5.87	129.72	934.95	-786.76	1799.85	27.03	0.86
967	6.37	129.48	965.77	-788.87	1802.4	30.34	1.62
999	6.78	129.69	997.56	-791.2	1805.23	34	1.28
1031	7.07	130.91	1029.33	-793.7	1808.17	37.85	1.02
1062	7.19	131.98	1060.09	-796.24	1811.05	41.7	0.58

1093	7.32	135.94	1090.84	-798.96	1813.87	45.61	1.67
1126	7.95	138.42	1123.55	-802.18	1816.84	49.98	2.15
1157	8.28	137.57	1154.24	-805.43	1819.77	54.33	1.13
1189	8.24	137.98	1185.91	-808.83	1822.86	58.9	0.22
1220	8.52	136.76	1216.58	-812.16	1825.92	63.4	1.07
1252	8.75	134.45	1248.21	-815.59	1829.28	68.2	1.3
1282	9.27	131.28	1277.84	-818.78	1832.73	72.89	2.4
1315	9.56	132.05	1310.4	-822.37	1836.76	78.29	0.96
1347	10.13	132.49	1341.93	-826.05	1840.81	83.76	1.8
1378	10.37	132.29	1372.43	-829.77	1844.88	89.28	0.78
1410	10.77	132.22	1403.89	-833.72	1849.23	95.15	1.25
1441	11.01	132.07	1434.33	-837.65	1853.57	101	0.78
1536	11.93	129.08	1527.43	-849.91	1867.93	119.88	1.15
1632	12.92	130.31	1621.19	-863.11	1883.81	140.52	1.07
1727	13.54	129.81	1713.66	-877.1	1900.46	162.25	0.66
1822	13.59	127.77	1806.01	-891.06	1917.82	184.49	0.51
1917	12.92	127	1898.48	-904.29	1935.13	206.2	0.73
2012	12.61	127.14	1991.13	-916.94	1951.87	227.11	0.33
2107	12.41	130.44	2083.88	-929.82	1967.91	247.64	0.78
2202	11.8	129.81	2176.77	-942.66	1983.14	267.55	0.66
2297	11.87	135.1	2269.75	-955.8	1997.5	287.01	1.14
2393	12.06	134.8	2363.67	-969.86	2011.59	306.89	0.21
2488	12.26	131.3	2456.53	-983.51	2026.2	326.89	0.8
2583	12.72	128.64	2549.29	-996.7	2041.95	347.42	0.78
2678	12.44	127.52	2642.01	-1009.47	2058.24	368.06	0.39
2772	12.79	130.69	2733.74	-1022.42	2074.16	388.55	0.83
2867	12.3	130.34	2826.47	-1035.82	2089.84	409.18	0.52
2963	12.52	129.81	2920.23	-1049.1	2105.63	429.79	0.26
3058	10.49	130.84	3013.31	-1061.35	2120.08	448.73	2.15
3153	10.22	133.65	3106.77	-1072.82	2132.73	465.8	0.6
3248	11.69	140.39	3200.04	-1086.06	2144.96	483.75	2.05
3343	11.38	138.95	3293.12	-1100.54	2157.25	502.58	0.45
3438	11.95	134.27	3386.16	-1114.47	2170.45	521.72	1.16
3533	12.04	129.17	3479.09	-1127.6	2185.17	541.44	1.12
3628	12.04	133.94	3572	-1140.73	2199.99	561.24	1.05
3723	12.02	130.42	3664.91	-1154.02	2214.66	581.03	0.77
3818	11.87	130.23	3757.86	-1166.75	2229.65	600.68	0.16
3913	12	132.67	3850.8	-1179.75	2244.37	620.32	0.55
4009	12.35	132.23	3944.64	-1193.41	2259.31	640.57	0.38
4104	12.13	131.41	4037.48	-1206.84	2274.32	660.71	0.3
4199	11.6	130.86	4130.45	-1219.7	2289.03	680.24	0.57
4294	11.27	132.34	4223.57	-1232.2	2303.11	699.07	0.46
4389	11.23	132.23	4316.74	-1244.67	2316.82	717.6	0.05
4483	10.98	133.71	4408.98	-1257	2330.07	735.71	0.4
4578	10.5	132.75	4502.32	-1269.13	2342.97	753.41	0.54
4674	10.46	131.85	4596.72	-1280.88	2355.88	770.87	0.18
4769	10.28	135.17	4690.17	-1292.65	2368.28	787.95	0.66

4863	11.1	132.4	4782.54	-1304.7	2380.88	805.38	1.03
4958	10.83	131.41	4875.8	-1316.77	2394.32	823.45	0.35
5053	11.07	132.05	4969.07	-1328.78	2407.79	841.49	0.28
5149	11.18	131.06	5063.27	-1341.07	2421.65	860.01	0.23
5244	11.47	133.04	5156.42	-1353.56	2435.5	878.67	0.51
5339	11.07	133.24	5249.59	-1366.26	2449.05	897.23	0.42
5433	10.83	135.31	5341.87	-1378.72	2461.83	915.07	0.49
5528	11.62	134.16	5435.06	-1391.73	2474.97	933.54	0.86
5624	12.35	133.3	5528.96	-1405.51	2489.38	953.47	0.78
5719	12.7	137.61	5621.7	-1420.19	2503.81	974.02	1.05
5814	12.74	137.17	5714.37	-1435.58	2517.98	994.85	0.11
5909	10.52	134.93	5807.42	-1449.39	2531.24	1013.95	2.38
6004	9.91	134.01	5900.91	-1461.19	2543.26	1030.78	0.66
6099	9.6	135.15	5994.54	-1472.49	2554.72	1046.86	0.38
6195	9.6	135.41	6089.19	-1483.87	2565.99	1062.85	0.05
6290	8.8	136.73	6182.97	-1494.8	2576.53	1078	0.87
6395	8.06	137.28	6286.84	-1506.05	2587.03	1093.33	0.71
6455	7.8	137.5	6346.26	-1512.15	2592.64	1101.58	0.44